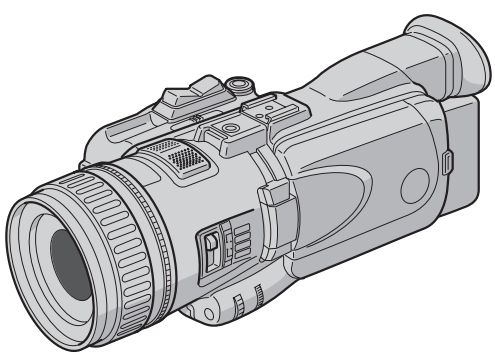
JVC

SERVICE MANUAL

DIGITAL HD VIDEO CAMERA

GR-HD1US



GR-HD1US [M3D8L3]

For disassembling and assembling of MECHANISM ASSEMBLY, refer to the SERVICE MANUAL No.86700 (MECHANISM ASSEMBLY).

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No.86772
2003/5

SPECIFICATION

■Camcorder

For General	Power supply		DC 6.3 V (Using AC Power Adapter/Charger) DC 7.2 V (Using battery pack)
	Power consumption	LCD monitor off, viewfinder on	Approx. 6.8 W (DV)/8.0 W (HD, SD)
		LCD monitor on, viewfinder off	Approx. 8.5 W (DV)/9.7 W (HD, SD)
	Dimensions (W x H x D)		114.5 mm × 99 mm × 271.5 mm (4-9/16" × 3-15/16" × 10-3/4") (with the LCD monitor closed and the viewfinder pushed back in)
	Weight		Approx. 1270 g (2.8 lbs) (without cassette, memory card and battery) Approx. 1490 g (3.3 lbs) (incl. cassette, memory card and battery)
	Operating temperature		0°C to 40°C (32°F to 104°F)
	Operating humidity		35% to 80%
	Storage temperature		-20°C to 50°C (-4°F to 122°F)
	Pickup		1/3" CCD
	Lens		F 1.8, f = 5.2 mm to 52 mm, 10:1 power zoom lens
	Filter diameter		Ø52 mm
	LCD monitor		3.5" diagonally measured, LCD panel/TFT active matrix system
	Viewfinder		Electronic viewfinder with 0.44" color LCD
	Speaker		Monaural
For Digital Video Camera	Signal format		NTSC standard
	Cassette		Mini DV cassette
	Tape speed		SP: 18.8 mm/s LP: 12.5 mm/s
	Maximum recording time (using 80 min. cassette)		SP: 80 min. LP: 120 min.
For Digital Still Camera	Storage media		SD Memory Card/MultiMediaCard
	Compression system		JPEG (compatible)
	File size		2 modes (1280 × 960 pixels/640 × 480 pixels)
	Picture quality		2 modes (FINE/STANDARD)
For Connectors	S/AV	S-Video input	Y: 0.8 V to 1.2 V (p-p), 75Ω, analog C: 0.2 V to 0.4 V (p-p), 75Ω, analog
		S-Video output	Y: 1.0 V (p-p), 75Ω, analog C: 0.29 V (p-p), 75Ω, analog
		Video input	Y: 0.8 V to 1.2 V (p-p), 75Ω, analog
		Video output	Y: 1.0 V (p-p), 75Ω, analog
		Audio input	300 mV (rms), 50 kΩ, analog, stereo
		Audio output	300 mV (rms), 1 kΩ, analog, stereo
	Headphone output		Stereo
	Microphone input		Stereo
	i.LINK	Input/output	4-pin, IEEE 1394 compliant
	USB		5-pin
	Y/Pb/Pr output		Y: 1.0 V (p-p), 75Ω, analog Pb: 0.7 V (p-p), 75Ω, analog Pr: 0.7 V (p-p), 75Ω, analog

■AC Power Adapter/Charger

For General	Power requirement	U.S.A. and Canada	AC 120 Vd, 60 Hz
		Other countries	AC 110 V to 240 Vd, 50 Hz/60 Hz
	Power consumption		23W
	Output	Charge	DC 7.2 V, 1.2 A
		VTR	DC 6.3 V, 1.8 A

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

SECTION 1
PRECAUTIONS

1.1 SAFTY PRECAUTIONS

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold.However,in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

1.1.1 Precautions during Servicing

(1) Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product.When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

(2) Parts identified by the ⚠symbol and shaded ( ) parts are critical for safety.
Replace only with specified part numbers.

NOTE :

Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

(3) Fuse replacement caution notice.
Caution for continued protection against fire hazard.
Replace only with same type and rated fuse(s) as specified.

(4) Use specified internal wiring. Note especially:
- Wires covered with PVC tubing
- Double insulated wires
- High voltage leads

(5) Use specified insulating materials for hazardous live parts. Note especially:
- Insulation Tape
- PVC tubing
- Spacers
- Insulation sheets for transistors
- Barrier

(6) When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

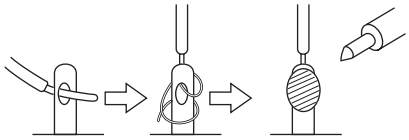


Fig.1-1-1

(7) Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

(8) Check that replaced wires do not contact sharp edged or pointed parts.

(9) When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

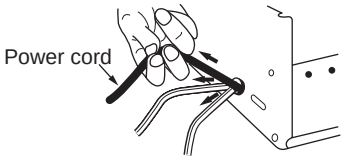


Fig.1-1-2

(10) Also check areas surrounding repaired locations.

(11) Products using cathode ray tubes (CRTs)In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits.Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

(12) Crimp type wire connectorIn such cases as when replacing the power transformer in sets where the connections between the power cord and power trans former primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.
- **Connector part number** :E03830-001
- **Required tool** : Connector crimping tool of the proper type which will not damage insulated parts.
- **Replacement procedure**

a) Remove the old connector by cutting the wires at a point close to the connector.Important : Do not reuse a connector (discard it).

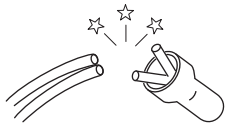


Fig.1-1-3

b) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

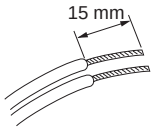


Fig.1-1-4

c) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

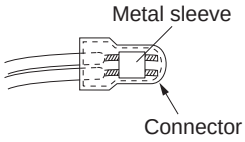


Fig.1-1-5

d) As shown in Fig.1-1-6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

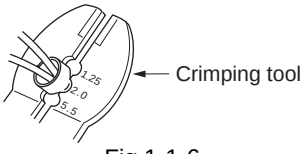


Fig.1-1-6

e) Check the four points noted in Fig.1-1-7.

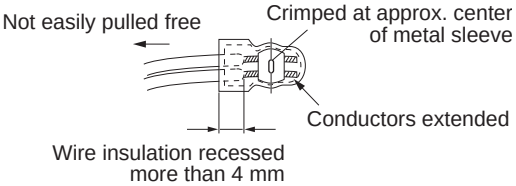

Not easily pulled free
Crimped at approx. center of metal sleeve
Conductors extended
Wire insulation recessed more than 4 mm

Fig.1-1-7

1.1.2 Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

(1) Insulation resistance test
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).See table 1 below.

(2) Dielectric strength test
Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See Fig.1-1-11 below.

(3) Clearance distance
When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See Fig.1-1-11 below.

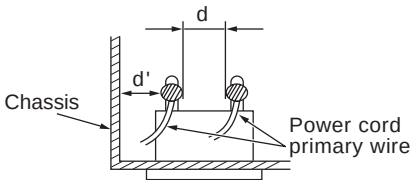


Fig.1-1-8

(4) Leakage current test
Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).
Measuring Method : (Power ON)Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See Fig.1-1-9 and following Fig.1-1-12.

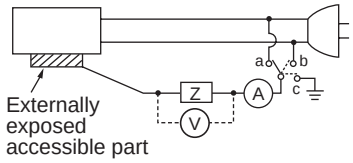
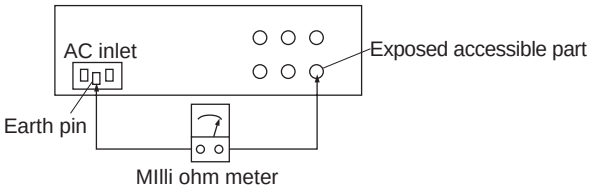


Fig.1-1-9

(5) Grounding (Class 1 model only)
Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).Measuring Method:
Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See Fig.1-1-10 and grounding specifications.



Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

Fig.1-1-10

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	R≧1 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3 mm
100 to 240 V			AC 1.5 kV 1 minute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	1 MΩ≦R≦12 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R≧10 MΩ/500 V DC	AC 3 kV 1 minute (Class Ⅱ) AC 1.5 kV 1 minute (Class Ⅰ)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Fig.1-1-11

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	1 kΩ	i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 μF, 1.5 kΩ	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia	2 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
		50 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

Fig.1-1-12

NOTE :

These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 BEFORE ASSEMBLY AND DISASSEMBLY

3.1.1 Precautions

- Be sure to disconnect the power supply unit prior to mounting and soldering of parts.
- Prior to removing a component part that needs to disconnect its connector(s) and its screw(s), first disconnect the wire(s) from the connector(s), and then remove the screw(s).
- When connecting/disconnecting wires, pay enough attention not to damage the connectors.
- When inserting the flat wire to the connector, pay attention to the direction of the flat wire.
- Be careful in removing the parts to which some spacer or shield is attached for reinforcement or insulation.
- When replacing chip parts (especially IC parts), first remove the solder completely to prevent peeling of the pattern.
- Tighten screws properly during the procedures. Unless specified otherwise, tighten screws at a torque of 0.118N·m (1.2kgf·cm). However, 0.118N·m (1.2kgf·cm) is a value at the time of production. At the time of service, perform the procedure at a torque 10% less than 0.118N·m (1.2kgf·cm). (See "SERVICE NOTE" as for tightening torque.)

3.1.2 Destination of connectors

Two kinds of double-arrows in connection tables respectively show kinds of connector/wires.

⇔ : Flat wire ↔ : Wire ⬌ : Board to board (B-B)
: The connector of the side to remove

CONN. No.	CONNECTOR					PIN No.
CN2a	MAIN	CN101	⇔	MONI/BW	CN761	40
CN2b	MAIN	CN103	↔	MIC	CN762	2

3.1.3 Disconnection of connectors (Wires)

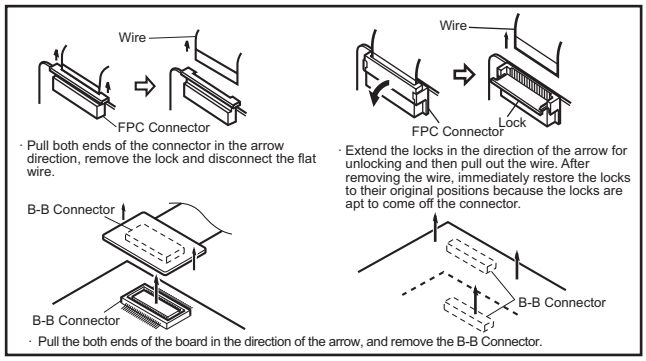

Wire
FPC Connector
· Pull both ends of the connector in the arrow direction, remove the lock and disconnect the flat wire.
Wire
FPC Connector
Lock
· Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.
B-B Connector
B-B Connector
B-B Connector
· Pull the both ends of the board in the direction of the arrow, and remove the B-B Connector.

Fig.2-1-1

3.1.4 Tools required for disassembly and assembly

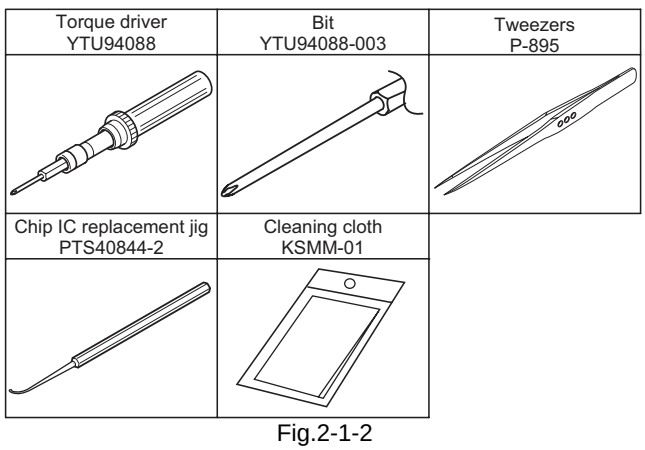


Fig.2-1-2

- **Torque driver**
  Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
- **Bit**
  This bit is slightly longer than those set in conventional torque drivers.
- **Tweezers**
  To be used for removing and installing parts and wires.
- **Chip IC replacement jig**
  To be used for replacement of IC.
- **Cleaning cloth**
  Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

3.2 ASSEMBLY AND DISASSEMBLY OF MAIN PARTS

3.2.1 Assembly and disassembly

When reassembling, perform the step(s) in reverse order.

STEP No.	PART	Fig. No.	POINT	NOTE
[1]	TOP COVER ASSEMBLY	Fig.C1	S1,2(L1)	-
[2]	UPPER ASSEMBLY (Inc. VF ASSEMBLY, SPEAKER/MONITOR)	Fig.C2-1	S2a,2(S2b),3(S2c) 2(S2d),S2e,S2c L2,CN2a,b	-
[8]	VF ASSEMBLY	Fig.C2-2	2(S8),L8,CN8a	NOTE 8a NOTE 8b
(∗1)	(∗2)	(∗3)	(∗4)	(∗5)

(∗1) Order of steps in Procedure
When reassembling, preform the step(s) in the reverseorder. These numbers are also used as the identification (location) No. of parts Figures.
(∗2) Part to be removed or installed.
(∗3) Fig. No. showing Procedure or Part Location.
C = CABINET
(∗4) Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped or unsoldered.
S = Screw
L = Lock, Release, Hook
SD = Solder
CN = Connector

[Example]

- 4 (S1a) = Remove four S1a screws.
- 3 (L1a) = Disengage three L1a hooks.
- 2 (SD1a) = Unsolder two SD1a points.
- CN1a = Remove a CN1a connector.

(∗5) Adjustment information for installation.

3.2.2 ASSEMBLY/DISASSEMBLY OF CABINET PARTS AND ELECTRICAL PARTS

●Disassembly procedure

STEP No.	PART	Fig. No.	POINT	NOTE
[1]	SHOE	Fig.C1	3(S1)	-
[2]	TOP COVER ASSEMBLY		3(S2a),(S2b),(L2a),(L2b)	-
[3]	HOLDER(SHOE)	Fig.C2	2(S3),2(L3)	-
[4]	ORNAMENT		-	NOTE4
[5]	SD COVER ASSEMBLY	Fig.C3-1	(S5a),(S5b)	-
[6]	UPPER ASSEMBLY		JACK COVER,2(S6a),(S6b) 3(S6c),4(S6d),CN6a,b	NOTE6a b,c,d
[21]	MON/OPE BOARD ASSEMBLY	Fig.C3-2	CN21a,b,c,2(S21) SPEAKER BRACKET 8(S21),SHIELD,SPEAKER KNOB(SLIDE)1,2	NOTE21a,b
[22]	MONITOR ASSEMBLY		2(S22a),(S22b),(L22a), HINGE CASE(U),(S22b),(L22b), HINGE CASE(L),3(S22c)	NOTE22a,b
[7]	VF ASSEMBLY	Fig.C4	(S7a),2(S7b)	NOTE7a,b
[8]	D4 BOARD ASSEMBLY	Fig.C5	CN8	-
[9]	HEAT SINK	Fig.C6	4(S9a),2(S9b),SHIELD(D.PWB)	NOTE9a,b
[10]	DIGITAL BOARD ASSEMBLY	Fig.C7	CN10a,b,c,d,e,(S10),CN10f,g,h	NOTE10
[11]	ANALOG BOARD ASSEMBLY	Fig.C8	CN11a,b,c,d,e,f,g,h,3(S11),CN11j,k,m	NOTE11
[12]	GRIP ASSEMBLY	Fig.C9-1	4(S12)	NOTE12
[23] /[24]	PREMDA BOARD ASSEMBLY /MECHANISM ASSEMBLY	Fig.C9-2	2(S23a),4(S23b),CN23a,b,c ROTARY GRIP ASSEMBLY	NOTE23a,b
[23]	PREMDA BOARD ASSEMBLY		CN23d,e,f,g,h,j,2(S23a),4(S23c), 2(S23d),2(S23c)	NOTE24
[24]	MECHANISM ASSEMBLY		3(S24),BRACKET(MECHA)ASSEMBLY	-
[13]	LOWER CASE ASSEMBLY	Fig.C10	3(S13a),2(S13b),2(S13a),(S13c) (S13a),(S13d),(L13),HOLDER(SD)	NOTE13
[14]	REAR ASSEMBLY	Fig.C11	(S14)	-
[15]	BOTTOM BOARD ASSEMBLY	Fig.C12	2(S15)	NOTE15
[16]	MIC ASSEMBLY	Fig.C13	2(S16),CN16	-
[17]	FRONT ASSEMBLY	Fig.C14	CN17a,b,2(S17),2(L17a) L17b,2(L17c),L17d	NOTE17
[18]	MIC/WB BOARD ASSEMBLY	Fig.C15	2(S18),2(L18)	NOTE18
[19] /[25]	OP BLOCK ASSEMBLY /CCD BOARD ASSEMBLY	Fig.C16	4(S19)	NOTE19a,b,c
[20]	GYRO BOARD ASSEMBLY	Fig.C17	2(S20),2(L20)	NOTE20

NOTE4:
This part is attached by using double-side adhesive tape. In removing the tape, be careful not to damage the reverse side of the ornament.

NOTE6a:
A screw NO. 21 is beside the tripod base/guide knob hole on the FRAME ASSEMBLY.

NOTE6b:
After removing the UPPER ASSEMBLY, electrical parts and board assembly are not covered with anything. Take care not to damage parts, especially WB sensor and Exposure Adjustment Wheel.

NOTE6c:
In attaching the UPPER ASSEMBLY, put the lever of the OP BLOCK ASSEMBLY (MAIN FRAME) in the slot of the BRACKET (SLIDE) ASSEMBLY.

Note6d:
In attaching the UPPER ASSEMBLY, be careful about the FPC and the position of D4 BOARD ASSEMBLY.

Note7a:
Since the VF ASSEMBLY is inserted in a narrow space between a part and another part, be careful not to damage or deform the bracket in removing the VF ASSEMBLY.

Note7b:
For the disassembly procedure of [7] VF ASSEMBLY, see “3.2.3 DISASSEMBLY/ASSEMBLY OF [7] VF ASSEMBLY”

NOTE9a:
Remove the two screws (No.46 and 47), and remove the heatsink. In removing the heatsink, peel the shield so that the heatsink is easy to be removed.

NOTE9b:
Since the heatsink is stuck to the IC on the DIGITAL BOARD ASSSEMBLY, be careful not to damage the parts in removing the heatsink.

NOTE10:
In removing the DIGITAL BOARD ASSEMBLY, first disconnect some of the connectors, and remove the screws, and then disconnect the rest of the connectors. Then, remove the DIGITAL BOARD ASSEMBLY.
Be careful not to damage the B-B connector since B-B connector is connected on the backside of the DIGITAL BOARD ASSEMBLY.

NOTE11:
Remove the screws, and remove the FPC while removing the ANALOG BOARD ASSEMBLY since CN212 is on the backside of the ANALOG BOARD ASSEMBLY.

NOTE12:
In removing the GRIP ASSEMBLY, be careful not to cut or damage FPC and wires.

NOTE13:
In removing the LOWER CASE ASSEMBLY, remove the holder (SD) together with the LOWER CASE ASSEMBLY.

NOTE15:
In removing the BOTTOM BOARD ASSEMBLY, first remove the FPC connected to the BOTTOM BOARD ASSEMBLY since it is attached to the frame. Then, remove the screws, and remove the BOTTOM BOARD ASSEMBLY.

NOTE17:

In removing the FRONT ASSEMBLY, a lens part of the OP BLOCK ASSEMBLY is not covered with anything. Be careful not to damage the lens.

NOTE18:

In removing the MIC/WB BOARD ASSEMBLY, first remove the FPC connected to the MIC/WB BOARD ASSEMBLY since it is attached to the frame. Then, remove the screws, and remove the MIC/WB BOARD ASSEMBLY.

NOTE19a:

In removing the OP BLOCK ASSEMBLY/CCD BASE ASSEMBLY, be careful not to damage or cut the FPC, wires, and lens part.

NOTE19b:

In attaching the OP BLOCK ASSEMBLY/CCD BASE ASSEMBLY, be careful not to damage or cut the FPC and wires.

NOTE19c:

As for the assembly/disassembly procedures of [19] OP BLOCK ASSEMBLY /[25] CCD BOARD ASSEMBLY, see “3.2.5 ASSEMBLY/DISASSEMBLY OF [19] OP BLOCK ASSMBLY/[25] CCD BOARD ASSEMBLY”.

NOTE20:

Handle the parts on the GYRO BOARD ASSEMBLY carefully since they are easy to be broken.

NOTE21a:

In removing the MON/OPE BOARD ASSEMBLY, be careful not to damage the shields attached inside the UPPER ASSEMBLY.

NOTE21b:

In removing the MON/OPE BOARD ASSEMBLY, be careful in handling the knobs (SLIDE) 1 and 2 since they are also removed.

In attaching the MON/OPE BOARD ASSEMBLY, be careful about the position of switch.

Note22a:

In removing the MONITOR ASSSEMBLY, fold the hold plate inside the UPPER ASSEMBLY in an inner direction.

Note22b:

For the disassembly procedure of [22] MONITOR ASSEMBLY, see “3.2.4 DISASSEMBLY/ASSEMBLY OF [22] MONITOR ASSEMBLY”.

NOTE23a/24

First remove the PREMDA ASSEMBLY together with the MECHANISM ASSEMBLY inside the GRIP ASSEMBLY, and then remove the PREMDA ASSEMBLY from the MECHANISM ASSEMBLY.

NOTE23b:

In removing the ROTARY GRIP ASSEMBLY, disconnect the wires in the order from short wire to long wire.

●Destination of connectors

CONN. No.	CONNECTOR					PIN No.
CN6a	MON/OPE	CN303	⇔	VF BL	CN703	22
CN6b	ANALOG	CN209	⇔	MON/OPE	CN301	51
CN8	DIGITAL	CN105	⇔	D4	CN806	14
CN10a	DIGITAL	CN102	⇔	CCD	-	24
CN10b	DIGITAL	CN103	↔	CCD	-	2
CN10c	DIGITAL	CN104	⇔	BOTTOM	CN801	18
CN10d	DIGITAL	CN106	↔	PREMDA	CN411	6
CN10e	DIGITAL	CN109	⇔	REAR	CN602	16
CN10f	DIGITAL	CN108	↔	ANALOG	CN208	6
CN10g	ANALOG	CN201	⬌	CONNECT	CN502	150
CN10h	DIGITAL	CN107	↔	PREMDA	CN410	22
CN11a	ANALOG	CN205	⇔	GYRO	CN804	10
CN11b	ANALOG	CN202	⇔	OP BLOCK	-	26
CN11c	ANALOG	CN207	↔	MIC/WB	CN902	6
CN11d	ANALOG	CN210	↔	PREMDA	CN412	5
CN11e	ANALOG	CN206	⇔	MIC/WB	CN901	10
CN11f	ANALOG	CN203	⇔	OP BLOCK	-	12
CN11g	ANALOG	CN215	⇔	REAR	CN603	8
CN11h	ANALOG	CN214	↔	REAR	CN601	6
CN11j	ANALOG	CN213	↔	PREMDA	CN415	14
CN11k	ANALOG	CN211	↔	PREMDA	CN414	20
CN11m	ANALOG	CN212	↔	PREMDA	CN413	15
CN16	MIC	-	↔	MIC/WB	CN903	4
CN17a	M.ZOOM RING	-	⇔	MIC/WB	CN905	6
CN17b	M.FOCUS RING	-	⇔	MIC/WB	CN904	6
CN21a	MON/OPE	CN302	⇔	MON BL	CN701	39
CN21b	MON/OPE	CN304	⇔	SW	CN805	6
CN21c	MON/OPE	CN305	↔	SPEAKER	-	2
CN23a	PREMDA	CN401	⇔	POWER OPERATION	-	11
CN23b	PREMDA	CN409	⇔	ZOOM UNIT	-	6
CN23c	PREMDA	CN408	⇔	EJECT	CN803	8
CN23d	PREMDA	CN406	⇔	SENSOR	-	16
CN23e	PREMDA	CN405	⇔	CAPSTAN MOTOR	-	18
CN23f	PREMDA	CN404	⇔	DRUM MOTOR	-	11
CN23g	PREMDA	CN402	⇔	HEAD	-	8
CN23h	PREMDA	CN403	⇔	LOADING MOTOR	-	6
CN23j	PREMDA	CN407	⇔	ROTARY ENCODER	-	6

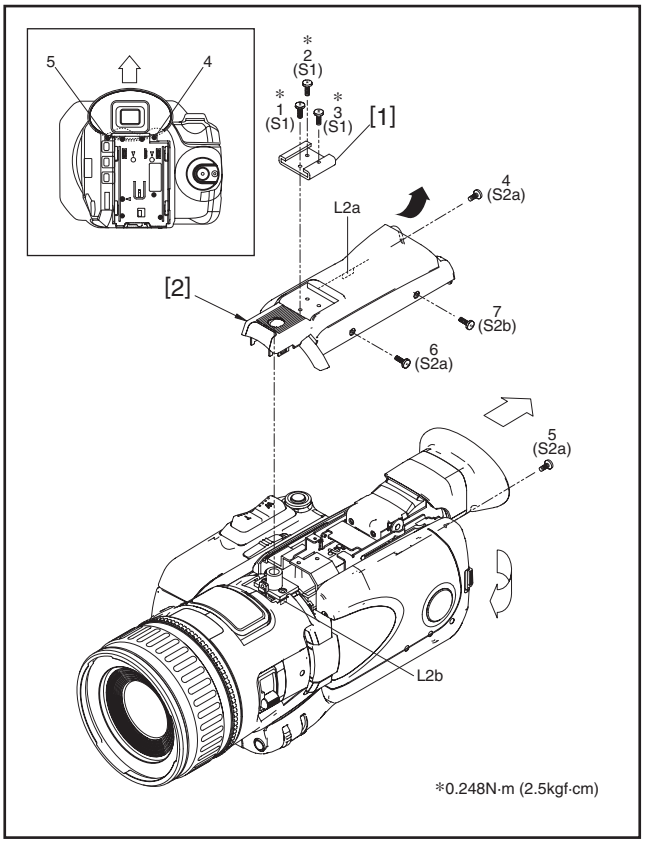


Fig.C1

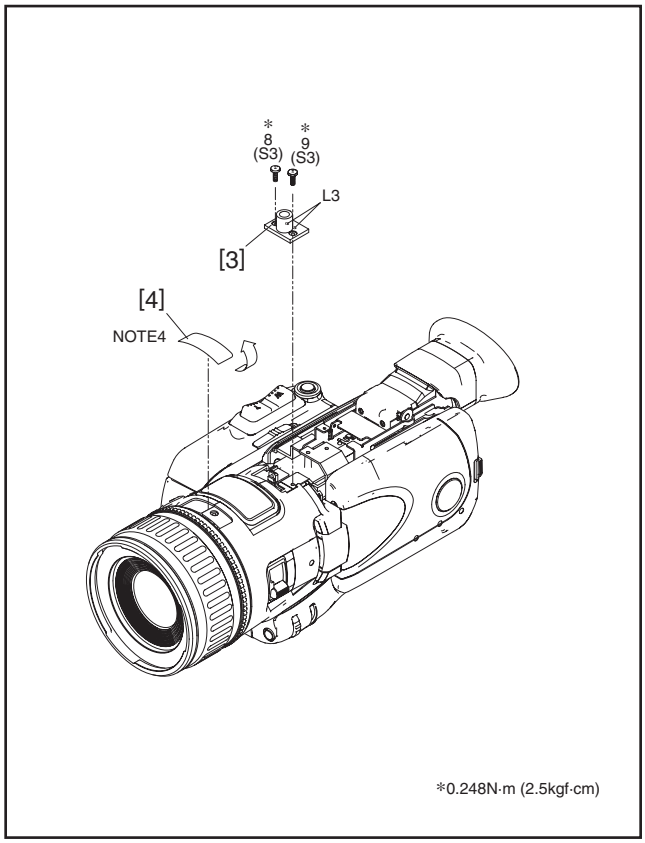


Fig.C2

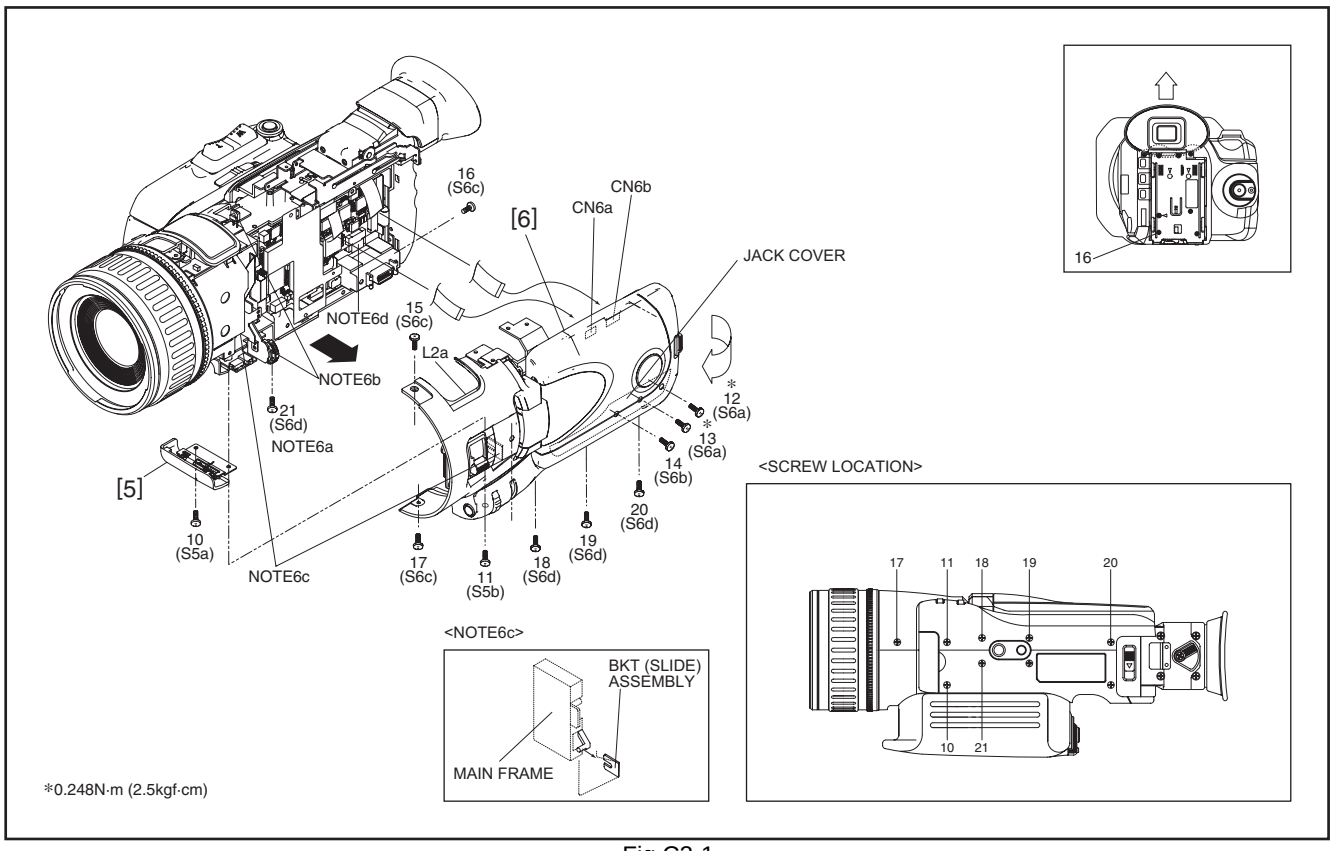


Fig.C3-1

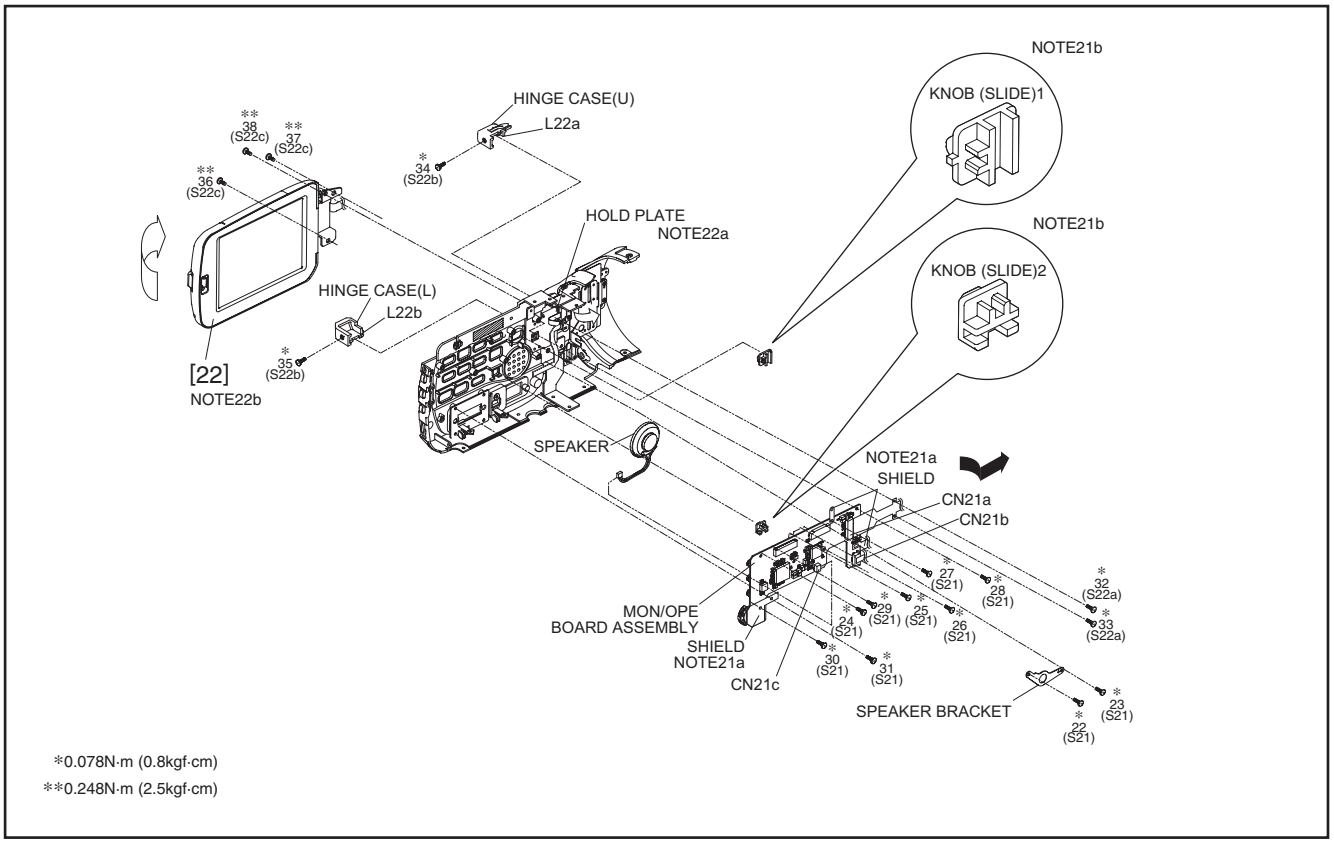


Fig.C3-2

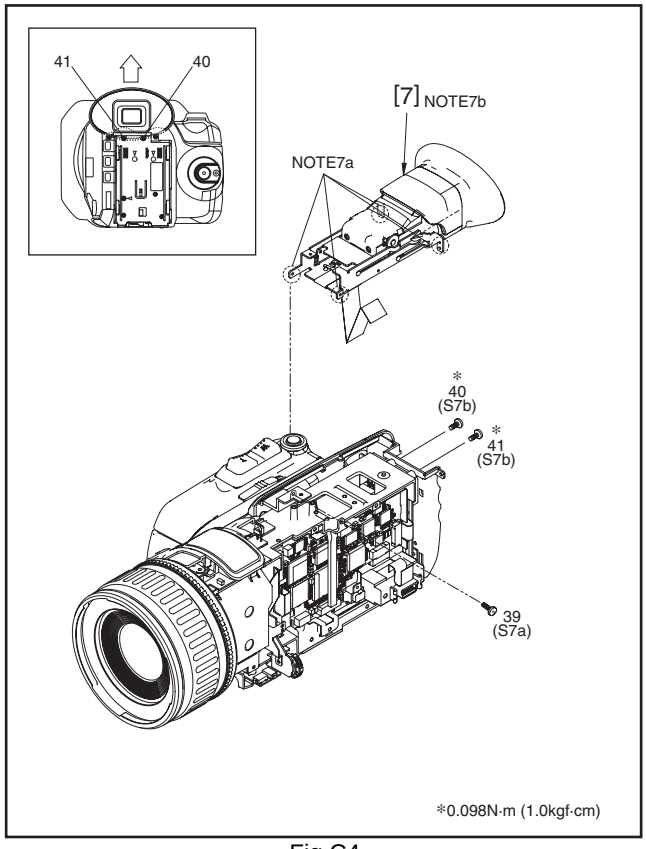


Fig.C4

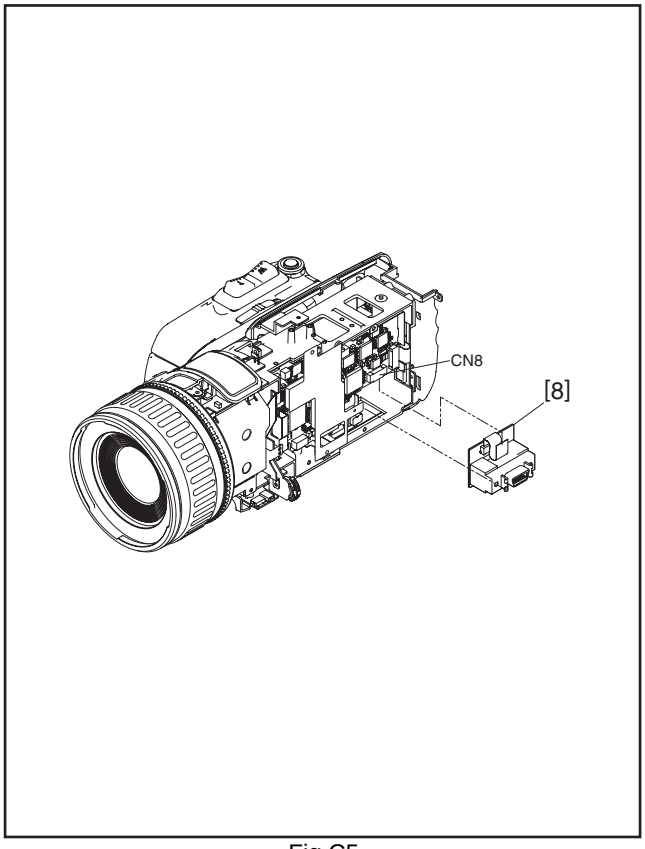


Fig.C5

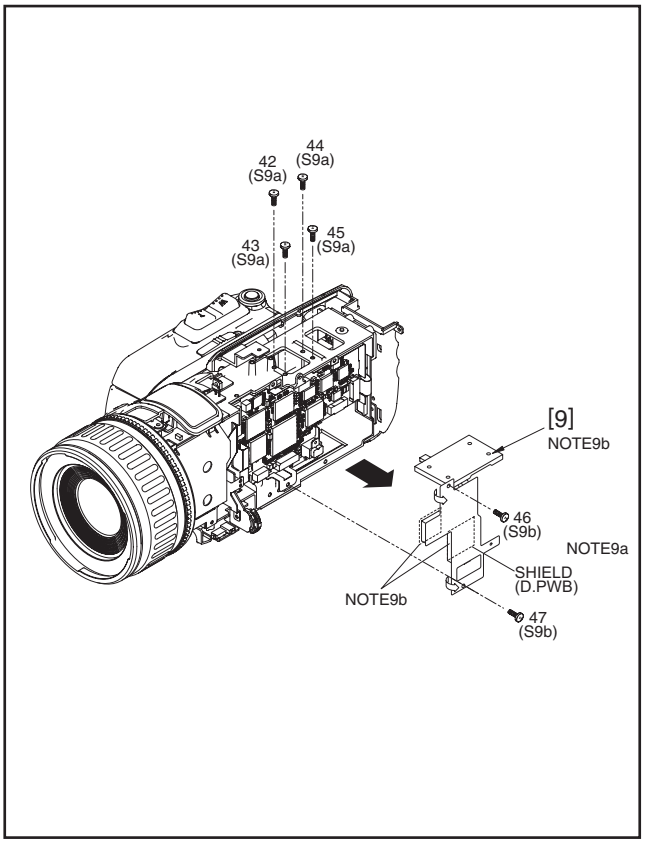
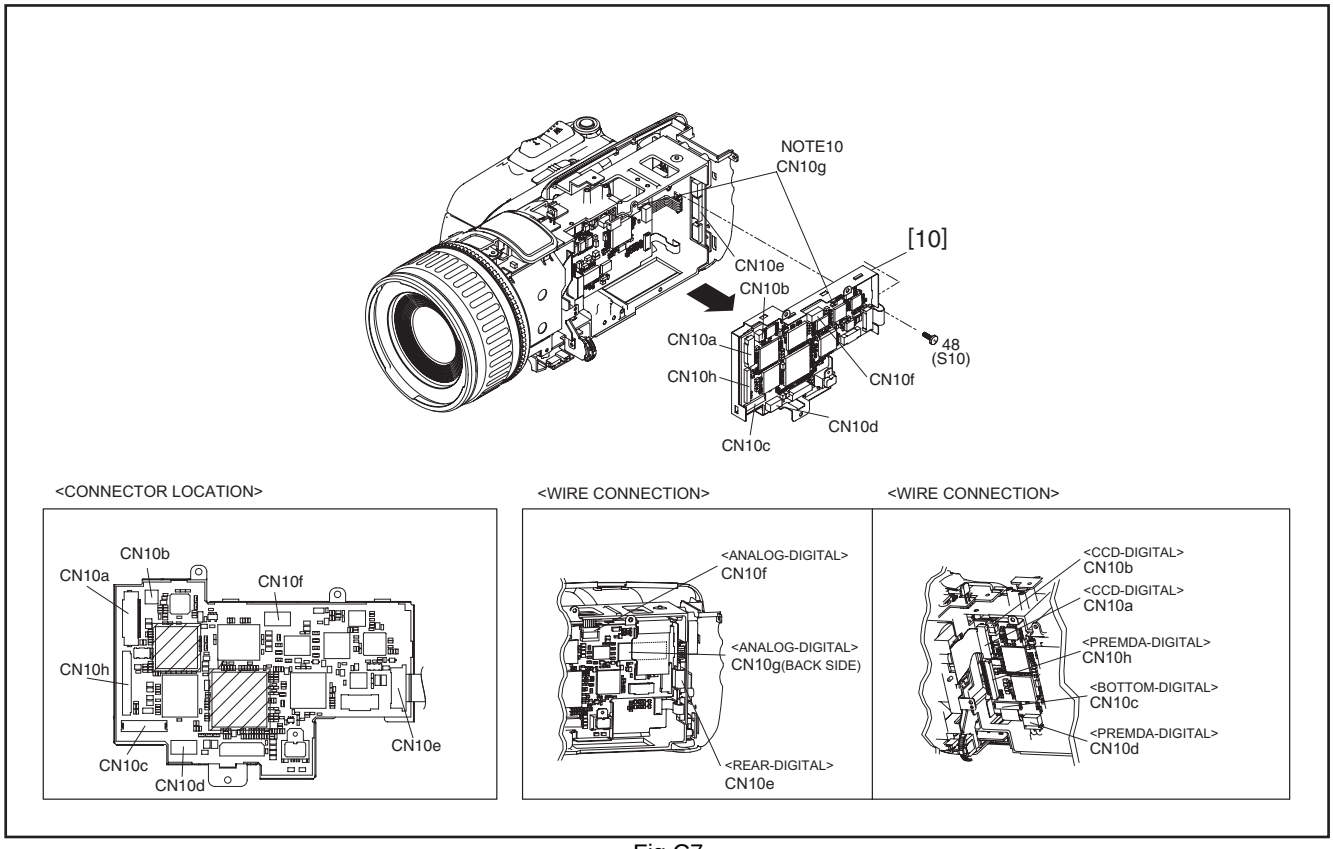

44
(S9a)
42
(S9a)
43
(S9a)
45
(S9a)
[9]
NOTE9b
46
(S9b)
NOTE9a
SHIELD
(D.PWB)
NOTE9b
47
(S9b)

Fig.C6


NOTE10
CN10g
[10]
CN10e
CN10b
CN10a
CN10h
48
(S10)
CN10f
CN10d
CN10c
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CN10f
CN10h
CN10e
CN10c
CN10d
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CN10f
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CN10g(BACK SIDE)
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CN10e
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CN10a
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CN10h
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CN10c
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CN10d

Fig.C7

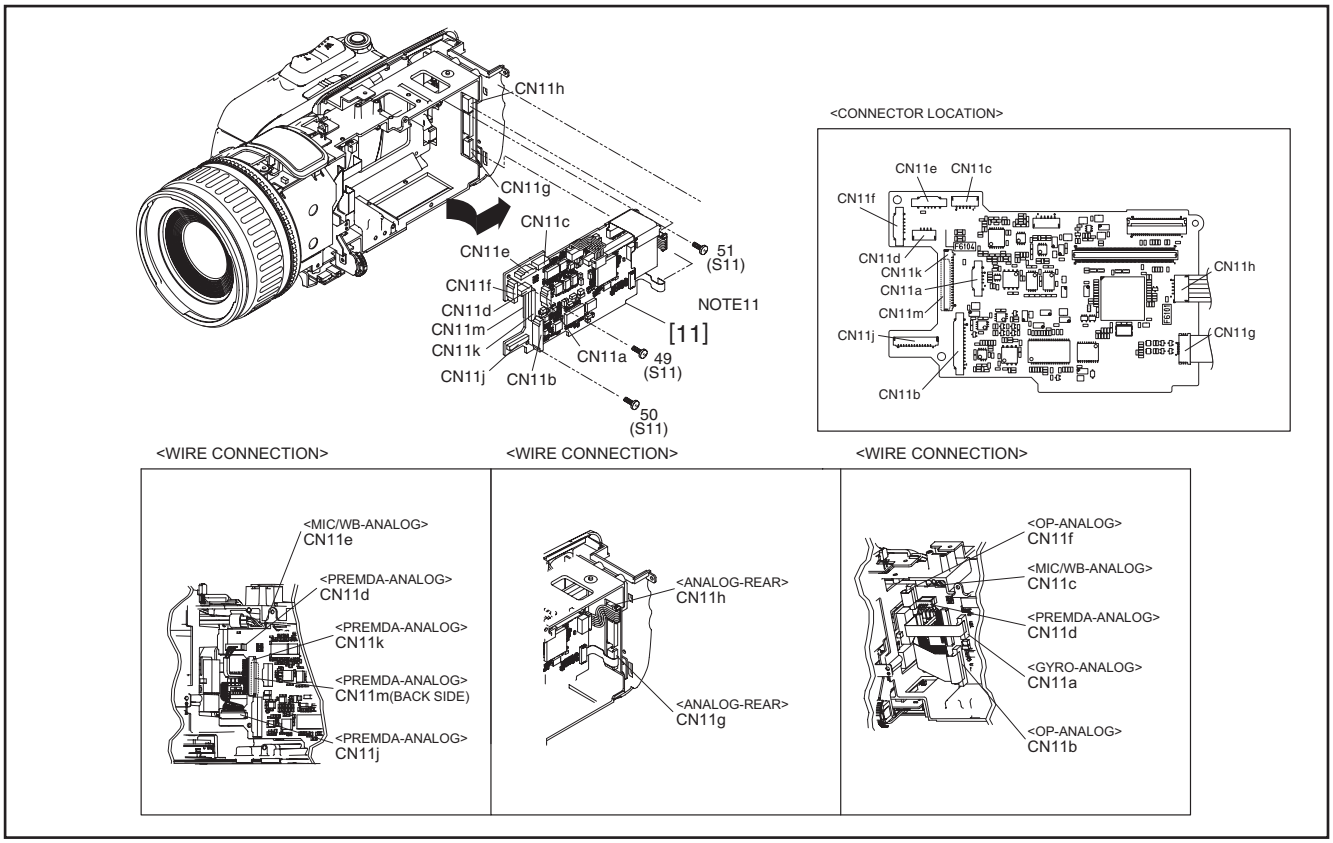


Fig.C8

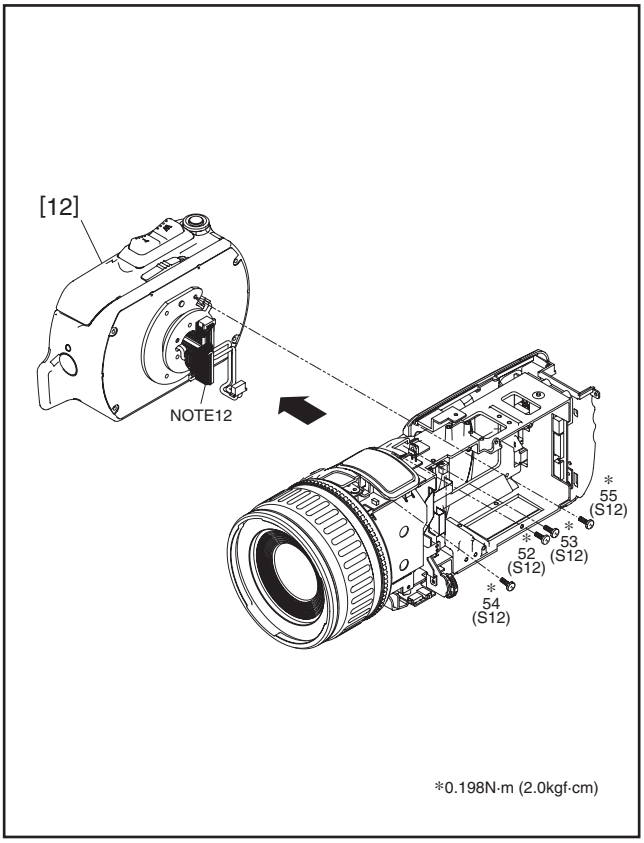


Fig.C9-1

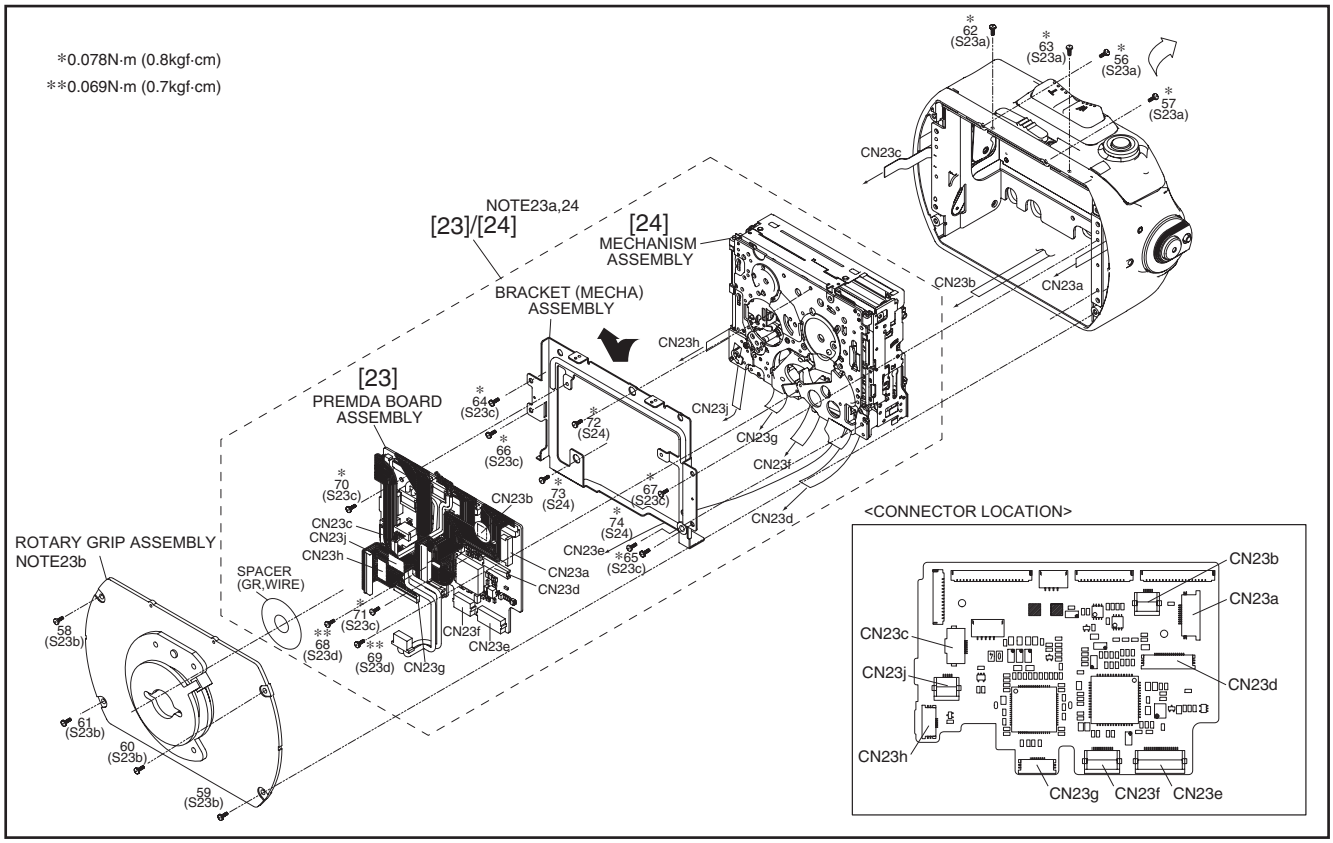


Fig.C9-2

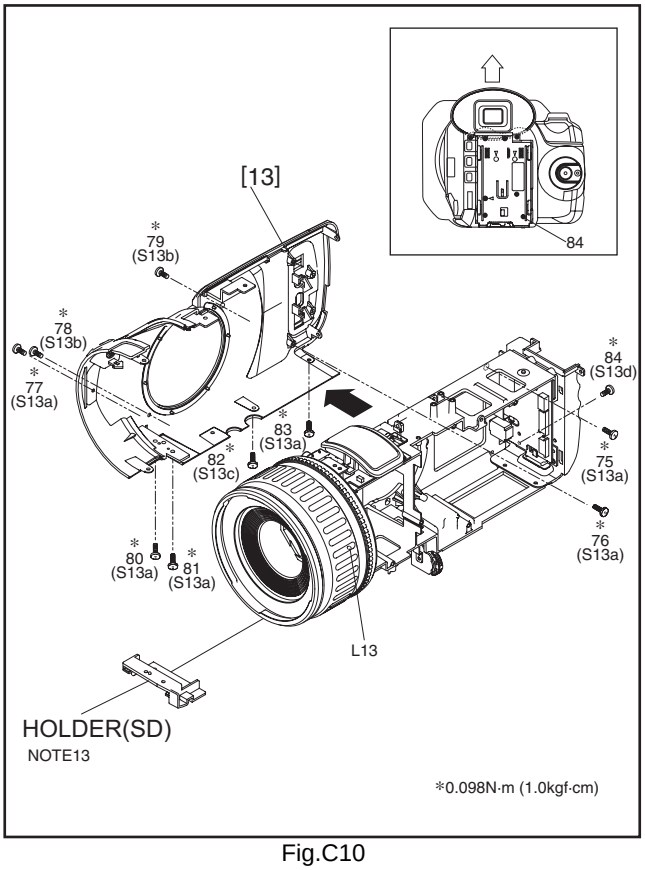


Fig.C10

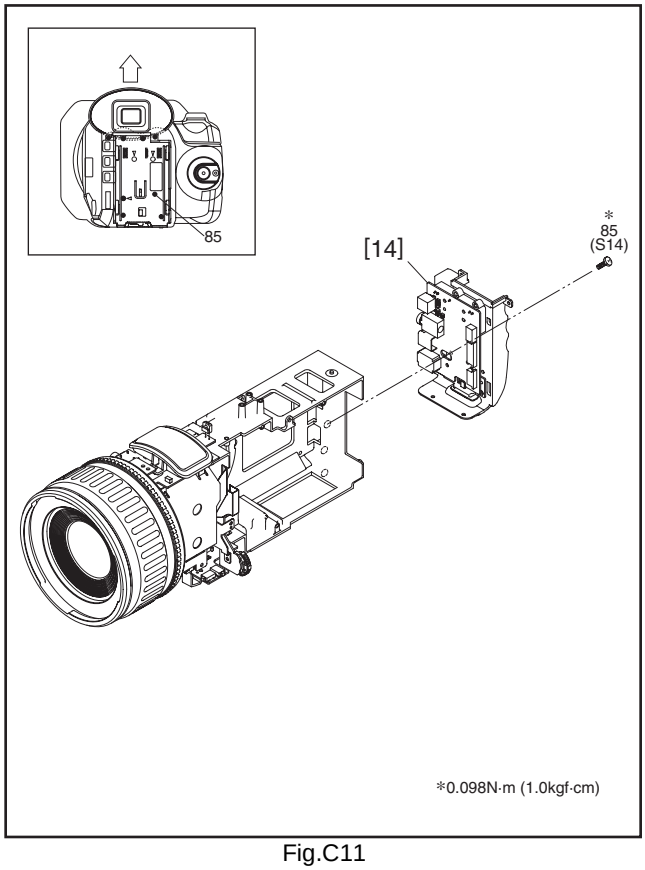


Fig.C11

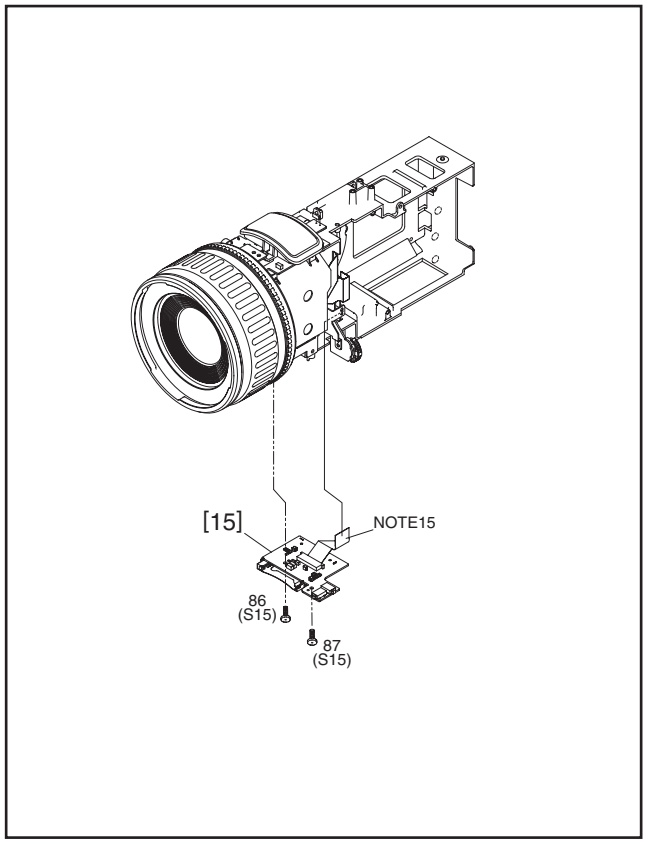


Fig.C12

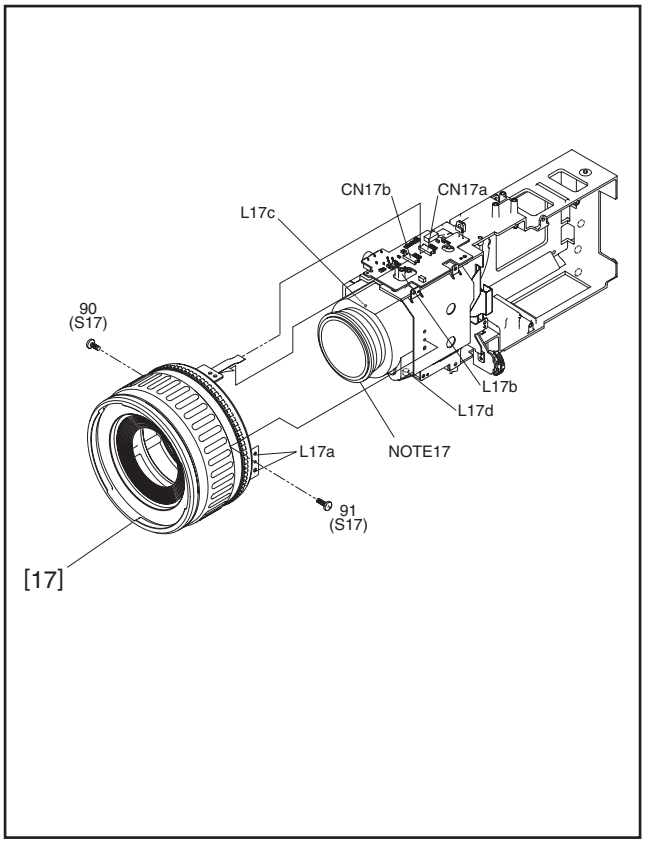


Fig.C14

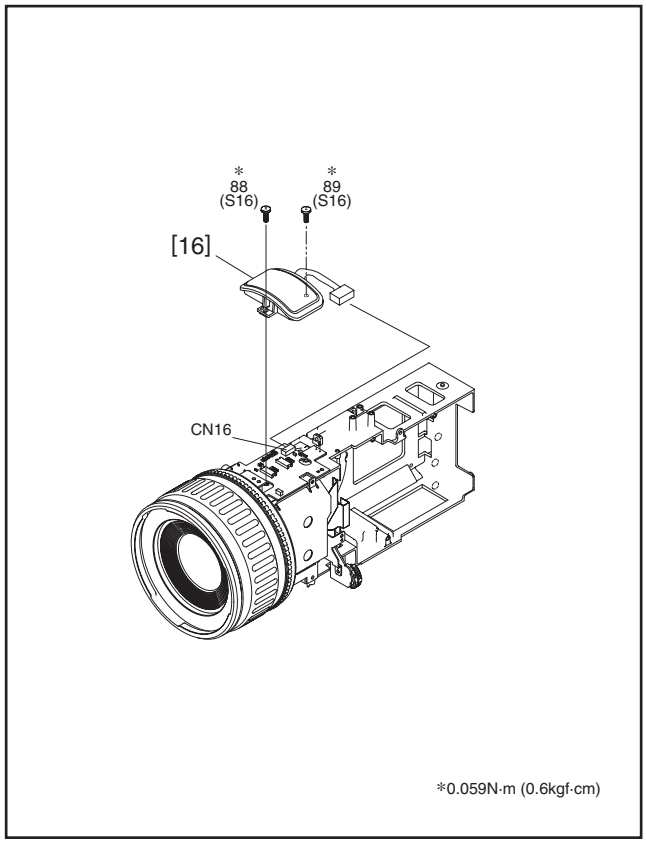


Fig.C13

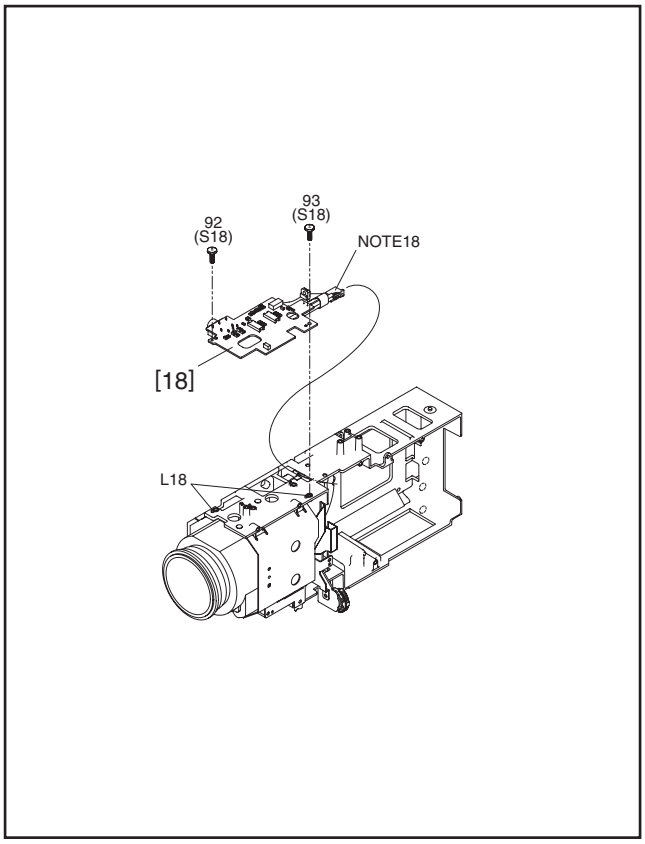


Fig.C15

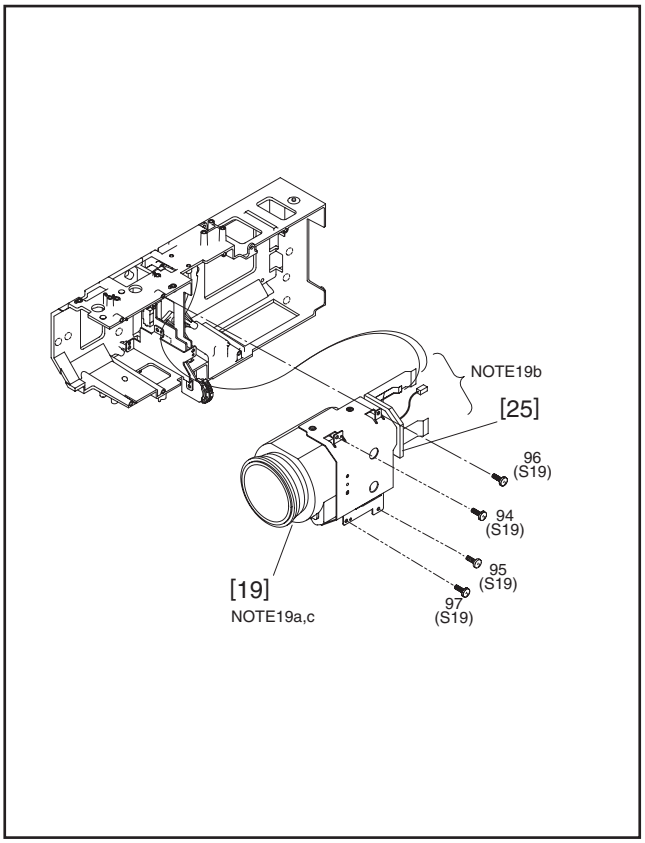


Fig.C16

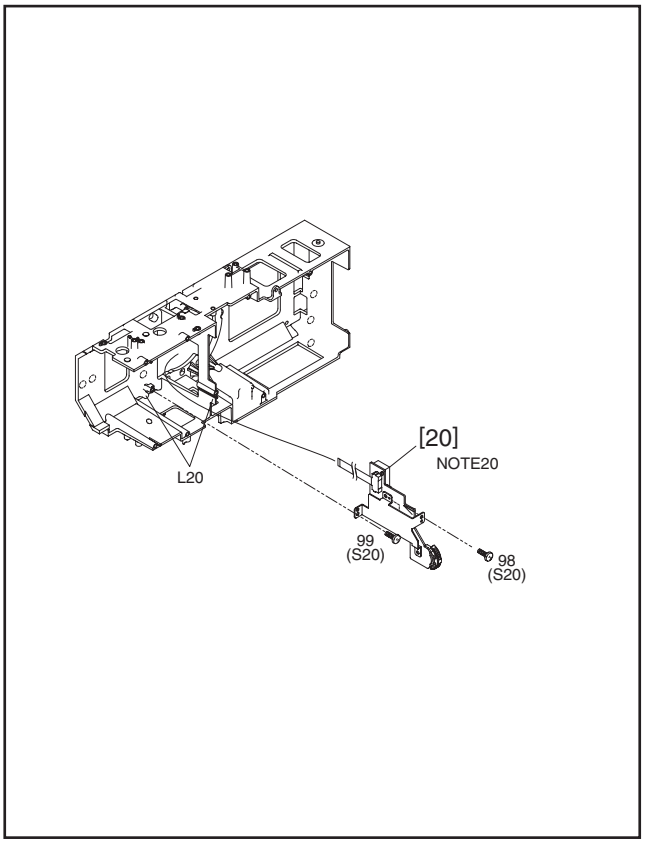


Fig.C17

3.2.3 DISASSEMBLY/ASSEMBLY OF [7] VF ASSEMBLY

●Disassembly of VF ASSEMBLY

(1) Remove the two screws (1 and 2), and remove the EYE CUP.
(2) Remove the four screws (3-6), and make the SWITCH BOARD ASSEMBLY (PUSH SWITCH) and FPC ASSEMBLY (VF) move easily.
(3) Remove the four screws (7-10), and remove the FPC ASSEMBLY (VF) from the HOLDER ASSEMBLY (VF) while lifting the VF CASE (TOP COVER and BOTTOM COVER ASSEMBLY) upwards.

NOTE7a:

During the procedure, be careful not to damage or cut the FPC ASSEMBLY (VF) since it is attached to the HOLDER ASSEMBLY (VF).

(4) Remove the two screws (11 and 12), and remove the TOP COVER.
(5) Remove the whole LCD UNIT from the BOTTOM COVER ASSEMBLY.
(6) Remove one screw (13), and remove the LEVER (LENS), HOLDER (LENS) ASSSEMBLY, LINK (LENS), and SPACER B.

NOTE7b:

When attaching the VF ASSEMBLY, confirm that the HOLDER (LENS) ASSEMBLY slides properly.

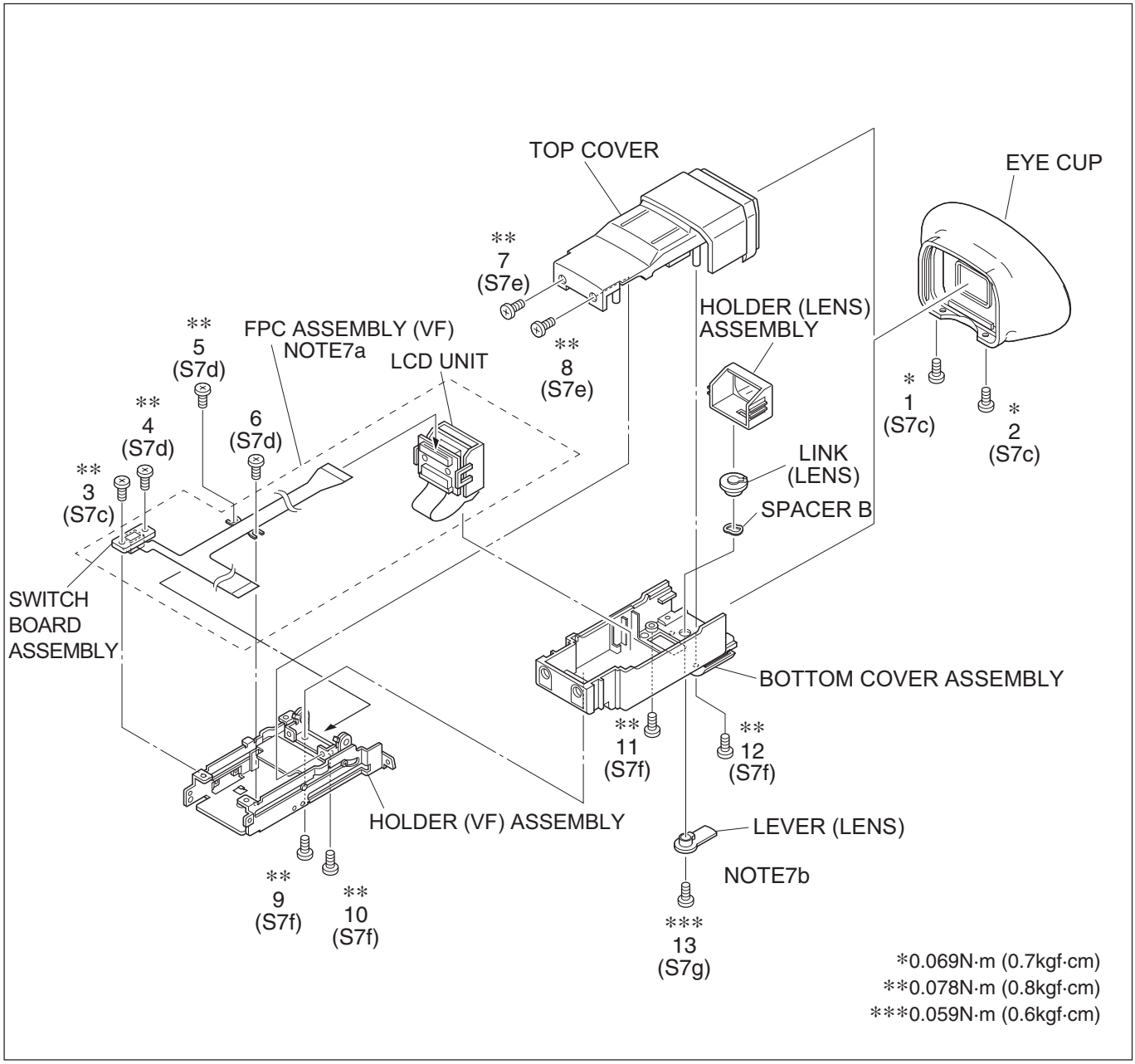


Fig.3-2-3

3.2.4 DISASSEMBLY/ASSEMBLY OF [22] MONITOR ASSEMBLY

●CAUTION

(1) Be careful in handling the LCD module, especially not to damage or soil the monitor screen.If it is soiled with fingerprints, etc., gently clean it with chamois or the cleaning cloth.

(2) Since the BACKLIGHT is soldered to the ASSEMBLY BOARD, the BACKLIGHT should not be separated from the ASSEMBLY BOARD except when replacing the BACKLIGHT.

●Disassembly procedure of MONITOR ASSEMBLY

(1) While removing the four screws (1-4) in numerical order and disengaging the six hooks (L22a-L22f) in alphabetical order, remove the MONITOR COVER ASSY.

(2) Remove the SENSOR BOARD ASSEMBLY from the MONITOR CASE ASSEMBLY.

(3) Unlock one connector (CN22a), and then disconnect the FPC and remove the HINGE ASSEMBLY while lifting the HINGE ASSEMBLY/FPC ASSEMBLY upwards.

(4) Remove the BRACKET (MONITOR).

(5) Disconnect the FPC of the LCD MODULE from one connector (CN22b).

(6) Remove one screw (5), and remove the MON BL BOARD ASSEMBLY together with the BACKLIGHT.

(7) Remove the D BEF SHEET.

(8) While disengaging the four hooks (L22g-L22k) in alphabetical order, remove the LCD MODULE.

●Disassembly procedure of HINGE ASSEMBLY/FPC ASSEMBLY

(1) While removing the two screws (6 and 7) and disengaging the four hooks (L22m-L22p) in alphabetical order, remove the HINGE COVER (U)

(2) Remove the HINGE COVER (L),

NOTE22a:

Be careful not to lose the magnet.
When attaching magnet, be careful about the attachment direction.

(3) Remove the FPC ASSEBLY from the HINGE ASSEMBLY.

NOTE22b:

When attaching the FPC ASSEMBLY, wind the FPC around the HINGE ASSEMBLY 3.5 times. Be careful not to cut or damage the FPC.

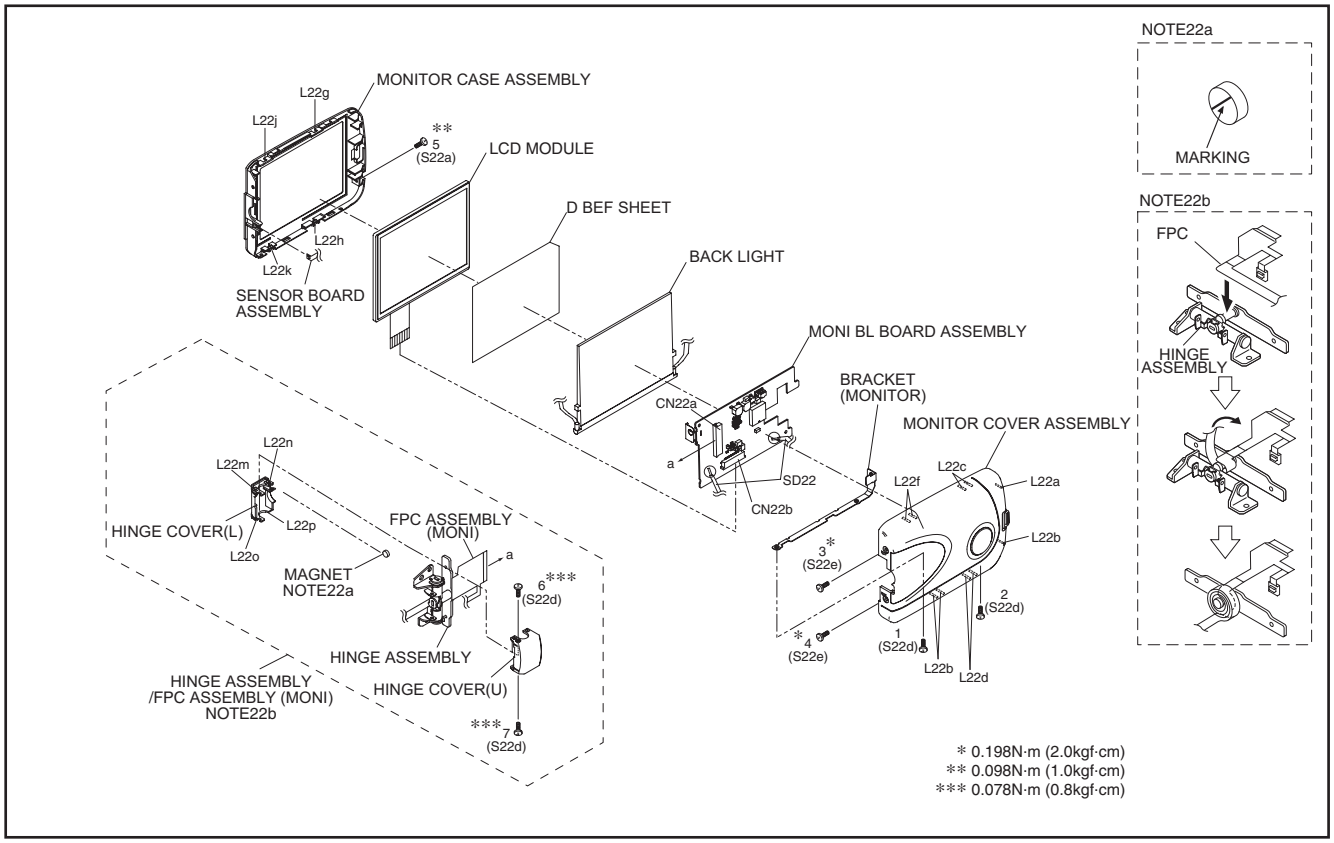


Fig.3-2-4

3.2.5 ASSEMBLY/DISASSEMBLY OF [19] OP BLOCK ASSMBLY/[25] CCD BOARD ASSEMBLY

●CAUTIONS

(1) Be careful in handling the CCD image sensor, OP LPF, and lens etc., especially not to damage or soil their surface.
If it is soiled with fingerprints, etc., gently clean it with chamois or the cleaning cloth.

(2) When the CCD image sensor is shipped from the factory, there are protection seals applied onto the transparent glass. Leave the protector as it is, and take it off just before assembling the CCD image sensor to the OP block.

●Disassembly procedure of OP BLOCK ASSEMBLY/CCD BOARD ASSEMBLY

(1) Remove the three screws (1-3), and remove the OP BRACKET ASSEMBLY.

(2) Unsolder the sixteen soldered parts (SD19) on the CCD BOARD ASSEMBLY, and remove the CCD BOARD ASSEMBLY.

(3) Remove the two screws (4 and 5), and remove the CCD BASE ASSEMBLY.

NOTE19a

In removing the CCD BASE ASSEMBLY, be careful in handling a sheet and OP LPF since a sheet or OP LPF is removed together with the CCD BASE ASSEMBLY.

NOTE19b

In replacing the CCD image sensor, donÅft remove the CCD image sensor from the CCD BASE ASSEMBLY. Instead, replace the whole CCD BASE ASSEMBLY.

(4) Remove the sheet and OP LPF.

(5) Remove the two screws (6 and 7), and remove the MAIN FRAME ASSEMBLY.

NOTE19c

When attaching OP LPF to the OP BLOCK ASSEMBLY, be careful about the attachment direction.

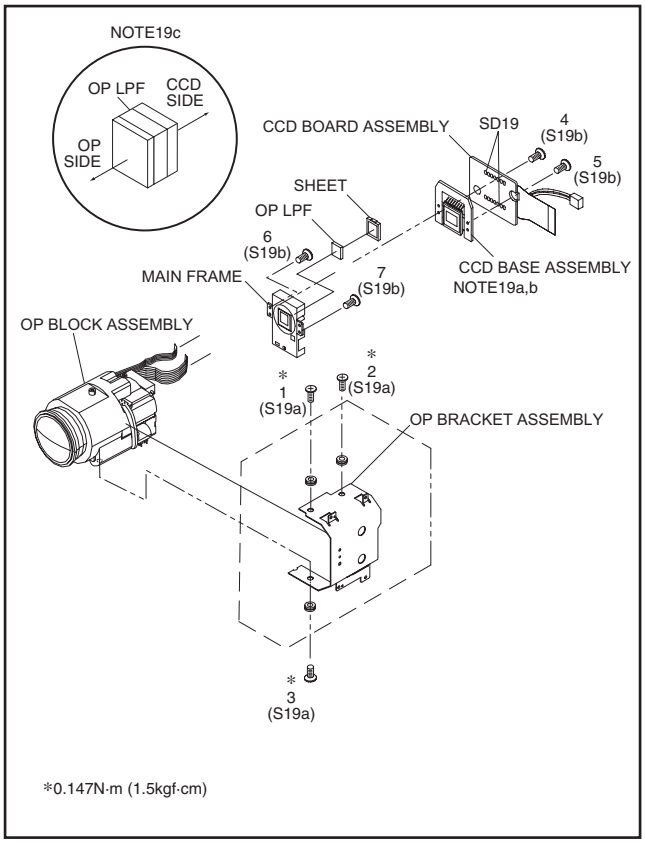


Fig.3-2-5

SECTION 4
ADJUSTMENT

4.1 PREPARATION

4.1.1 Precaution

Camera system and deck system of this model are specially adjusted by using PC.

However, if parts such as the following are replaced, an adjustment is required. The adjustment must be performed in a Service Center equipped with the concerned facilities.

- OP BLOCK ASSEMBLY
- EEP ROM (IC1003 of DIGITAL board)

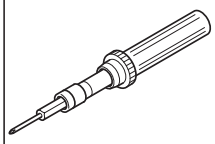
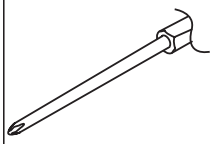
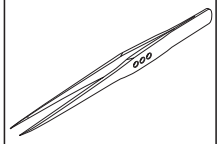
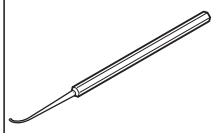
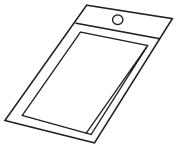
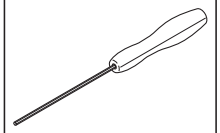
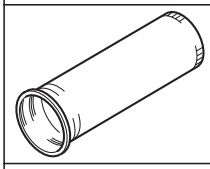
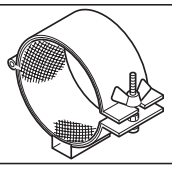
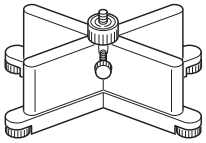
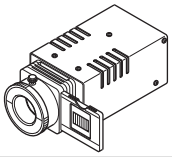
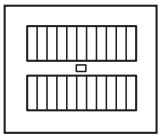
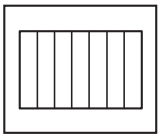
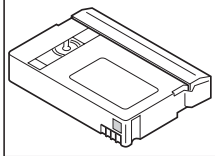
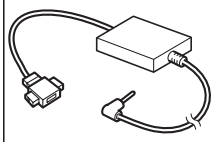
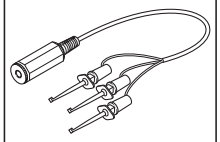
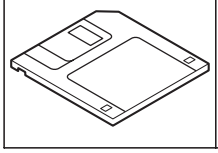
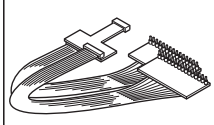
In the event of malfunction with electrical circuits, first find a defective portion with the aid of proper test instruments as shown in the following electrical adjustment procedure, and then commence necessary repair/ replacement/adjustment.

- In observing chip TP, use IC clips, etc. to avoid any stress. Prior to replacement of chip parts (especially IC), remove the solder completely to prevent peeling of the pattern.
- Use a patch cord if necessary. As for a patch cord, see the BOARD INTERCONNECTIONS.
- Since connectors are fragile, carefully handle them in disconnecting and connecting the FPC.

4.1.2 REQUIRED TEST EQUIPMENT

- Personal computer (for Windows)
- Color TV monitor
- Oscilloscope (dual-trace type, observable 100MHz or higher frequency). The one observable 300 MHz or higher frequency is recommended.
- Digital voltmeter
- DC power supply or AC adapter
- Frequency counter (with threshold level adjuster)

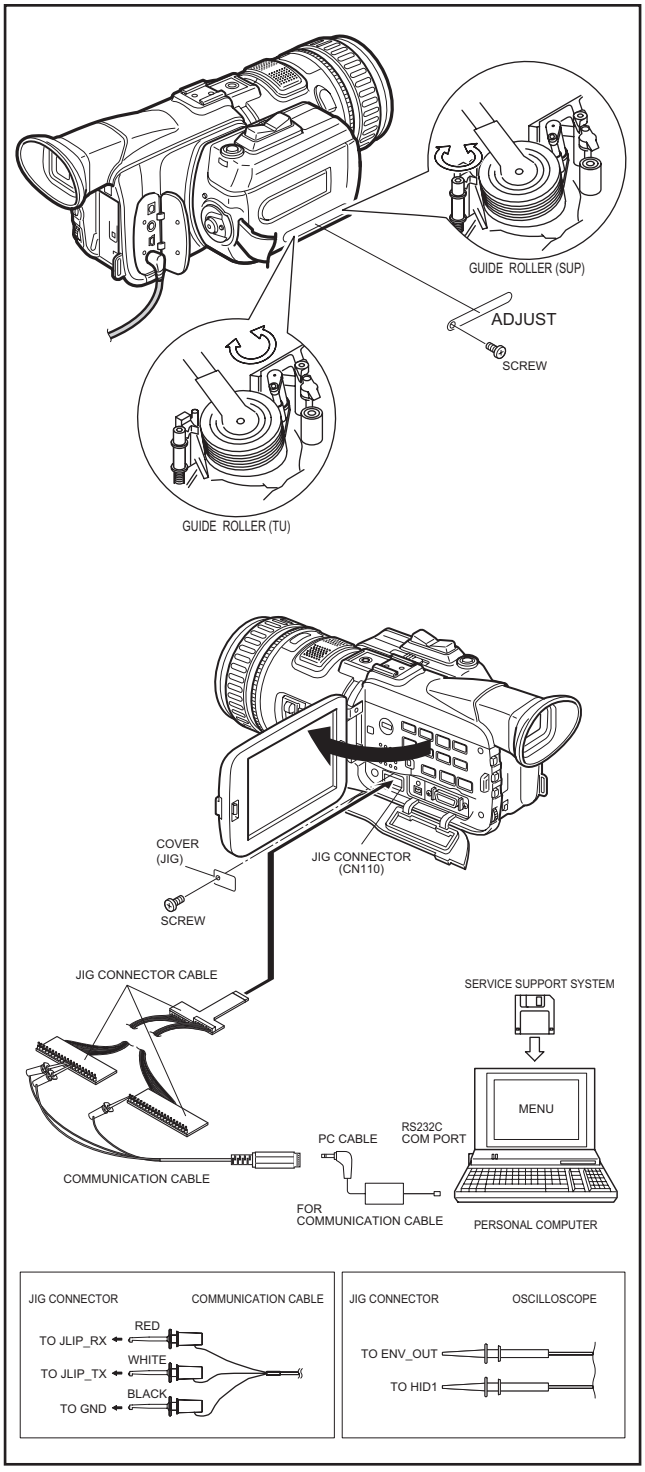
4.1.3 TOOLS REQUIRED FOR ADJUSTMENT

Torque Driver YTU94088	Bit YTU94088-003	Tweezers P-895
		
Chip IC Replacement Jig PTS40844-2	Cleaning Cloth KSMM-01	Guide Driver (Hexagonal) D-770-1.27
		
INF Adjustment Lens YTU92001B	INF Adjustment Lens Holder YTU94087	Camera Stand YTU93079
		
Light box Assembly YTU93096A	Gray Scale Chart YTU94133A	Color Bar Chart YTU94133C
		
Alignment Tape MC-1	PC Cable QAM0099-002	Communication Cable YTU93107A
		
Service Support System YTU94057-72	Jig Connector Cable YTU93082C	
		

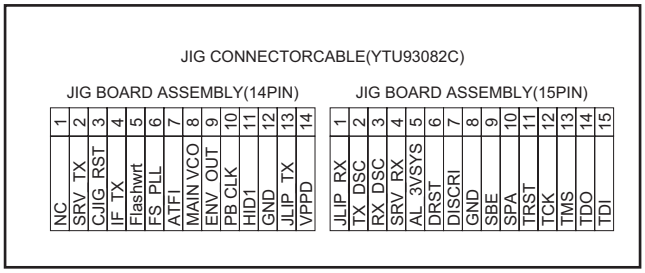
- **Torque driver**
  Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
- **Bit**
  This bit is slightly longer than those set in conventional torque drivers.
- **Tweezers**
  To be used for removing and installing parts and wires.
- **Chip IC replacement jig**
  To be used for adjustment of the camera system.
- **Cleaning cloth**
  Recommended the Cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.
- **Guide driver (Hexagonal)**
  To be used to turn the guide roller to adjustment of the linarity of playback envelope.
- **INF adjustment lens**
  To be used for adjustment of the camera system. For the usage of the INF adjustment lens, refer to the Service Bulletin No. YA-SB-10035.
- **INF lens holder**
  To be used together with the Camera stand for operating the Videocamera in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring. For the usage of the INF lens holder, refer to the Service Bulletin No. YA-SB-10035.
- **Camera stand**
  To be used together with the INF adjustment lens holder. For the usage of the Camera stand, refer to the Service Bulletin No. YA-SB-10035.
- **Light box assembly**
  To be used for adjustment of the camera system. For the usage of the Light box assembly, refer to the Service Bulletin No. YA-SB-10035.
- **Gray scale chart**
  To be used for adjustment of the camera system. For the usage of the INF adjustment lens, refer to the Service Bulletin No. YA-SB-10035.
- **Color bar chart**
  To be used for adjustment of the camera system. For the usage of the INF adjustment lens, refer to the Service Bulletin No. YA-SB-10035.
- **Alignment tape**
  To be used for check and adjustment of interchangeability of the mechanism.
- **PC cable**
  To be used to connect the Videocamera and a personal computer with each other when a personal computer issued for adjustment.
- **Communication cable**
  Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
- **Service support system**
  To be used for adjustment with a personal computer. Software can be downloaded also from JS-net.
- **Jig connector cable**
  Connected to CN110 of the main board and used for electrical adjustment, etc.

4.2 JIG CONNECTOR CABLE CONNECTION

■ Connection procedure



■ Jig connector diagrams



4.3 MECHANISM COMPATIBILITY ADJUSTMENT

4.3.1 Tape pattern adjustment

NOTE:

Prior to the adjustment, remove the cover (ADJUST).

(1) Play back the compatibility adjustment tape.
(2) While triggering the HID1, observe the waveform of ENV_OUT.
(3) Set the manual tracking mode (ATF OFF).
(4) Confirm that the waveform is entirely parallel and straight, and free from remarkable level-down, through the tracking operation.
Make the confirmation as follows if necessary.
(5) If level-down is observed on the left hand side of the waveform, straighten the level by turning the GUIDE ROLLER (SUP).
If level-down is observed on the right hand side of the waveform, straighten the
level by turning the GUIDE ROLLER (TU).
(6) After the adjustment, try the unloading motion once, and confirm that the waveform is flat when the tape has been played back again.
(7) Play back the self-recording.
(8) Confirm that the waveform is flat.

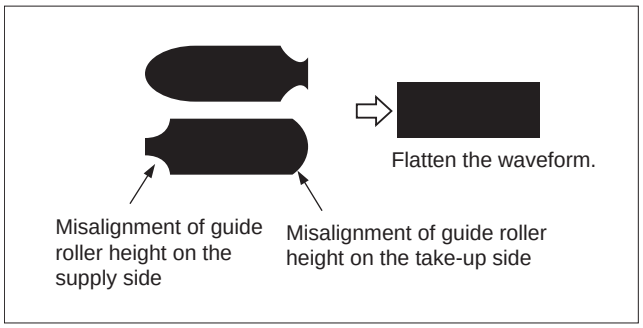

Flatten the waveform.
Misalignment of guide roller height on the supply side
Misalignment of guide roller height on the take-up side

Fig.4-3-1

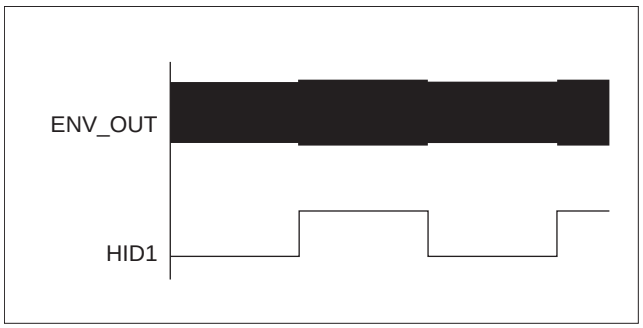


Fig.4-3-2

4.4 ELECTRICAL ADJUSTMENT

Electrical adjustment is performed by using a personal computer and software for SERVICE SUPPORT SYSTEM. Read README.TXT file to use the software properly.
As for the connection of cables, see "4.2 JIG CONNECTOR CABLE CONNECTION".

CABINET PARTS AND ELECTRICAL PARTS

Symbol No.	[1]			[2]				[3]		[4]	[5]		[6]										[21]					
Removing order of screw	1	2	3	4	5	6	7	8	9	-	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Place to stick screw										-					*													
Reference drawing (Fig.No.)	a			b				a		-	b		a		b								c					
Screw tightening torque	C1							C2			C3-1												C3-2					

Symbol No.	[21]				[22]							[7]			[8]	[9]						[10]	[11]		
Removing order of screw	28	29	30	31	32	33	34	35	36	37	38	39	40	41		42	43	44	45	46	47	48	49	50	51
Place to stick screw									*	*	*				-								*	*	*
Reference drawing (Fig.No.)	c								a			b	d		-	b						b	b		
Screw tightening torque	C3-2											C4			C5	C6						C7	C8		

Symbol No.	[12]				[23]/[24]												[23]				[24]			
Removing order of screw	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	
Place to stick screw	*	*	*	*																				
Reference drawing (Fig.No.)	d				c		b						c				e				c			
Screw tightening torque	C9-1				C9-2																			

Symbol No.	[13]										[14]	[15]		[16]		[17]		[18]		[19]				[20]	
Removing order of screw	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
Place to stick screw				*	*							*	*					*	*					*	*
Reference drawing (Fig.No.)	f										f	b		g		b		b		b				b	
Screw tightening torque	C10										C11	C12		C13		C14		C15		C16				C17	

[7] VF ASSEMBLY

Symbol No.	[7]												
Removing order of screw	1	2	3	4	5	6	7	8	9	10	11	12	13
Place to stick screw			*	*	*	*	*	*					
Reference drawing (Fig.No.)	e		c										g
Screw tightening torque	3-2-3												

[22] MONITOR ASSEMBLY

Symbol No.	[22]						
Removing order of screw	1	2	3	4	5	6	7
Place to stick screw	*	*	*	*			
Reference drawing (Fig.No.)	b		d		f	c	
Screw tightening torque	3-2-4						

[19] OP BLOCK ASSEMBLY/[25]CCD BOARD ASSEMBLY

Symbol No.	[19]/[25]						
Removing order of screw	1	2	3	4	5	6	7
Place to stick screw							
Reference drawing (Fig.No.)	h			b			
Screw tightening torque	3-2-5						

NOTE:

1) * : Don't reuse the screw, because screw lock bond was applied to them.
2) Pay careful attention to tightening torque for each screw.
   Torque setting value of torque driver is limited. At the values over the maximum torque setting value, fasten a screw manually not to damage the screw thread.

a : 0.248N·m (2.5kgf·cm)　　b : 0.118N·m (1.2kgf·cm)　　c : 0.078N·m (0.8kgf·cm)

d : 0.198N·m (2.0kgf·cm)　　e : 0.069N·m (0.7kgf·cm)　　f : 0.098N·m (1.0kgf·cm)

g : 0.059N·m (0.6kgf·cm)　　h : 0.147N·m (1.5kgf·cm)

5.2 TAKE OUT CASSETTE TAPE

(1) Remove the Power Unit (battery or DC code) from the set.
(2) Remove one screw, and remove a plate (ADJ).

NOTE:
For more efficient operation, loosen and move the grip belt prior to the procedure (2).

(3) Open the CASSETTE COVER till it is completely opened and fixed.
(4) Attach a PVC tape as shown in the figure.

NOTE:
Be careful of cassette tape damage caused because the CASSETTE HOUSING ASSEMBLY is moved upward at the unloading end (EJECT mode).

(5) To set the SLIDE DECK ASSEMBLY to the unloading end, apply DC 3V to the electrode (terminal) on the top surface of the LOADING MOTOR ASSEMBLY that is seen through a hole under the plate removed in the procedure (2).

NOTE:
Be careful not to attach grease or a similar substance to the surface of the cassette tape on the tape transport system.

(6) Wind the cassette tape by directly turning the REEL DISK ASSEMBLY (SUP) from the backside of the SLIDE DECK ASSEMBLY by using a sharp tool (Chip IC replacement tool).
(7) Confirm that the cassette tape is completely wound, and then peel off the PVC tape from the CASSETTE HOUSING ASSEMBLY and take out the cassette tape.

NOTE:
To confirm that the cassette tape is completely wound, confirm that one REEL DISK ASSEMBLY (TU) rotates as you rotate the other REEL DISK ASSEMBLY (SUP).

(8) Make sure that grease or a similar substance is not attached to the surface of the tape taken out in the procedure (7). Similarly, also make sure that grease or a similar substance is not attached on the MECHANISM ASSEMBLY, especially the tape transport system.

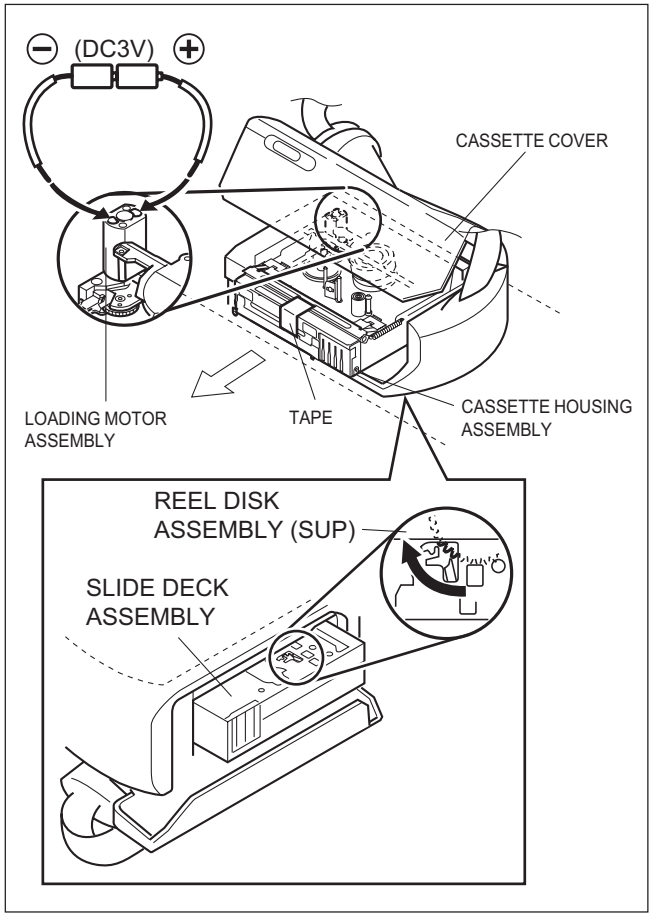


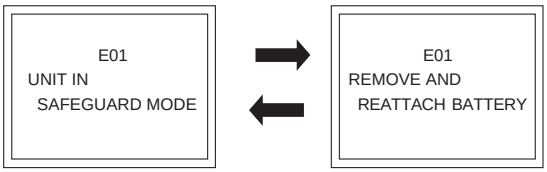
Fig.5-2-1

5.3 EMERGENCY DISPLAY

Whenever some abnormal signal is input to the syscon CPU, an error number (E01, as an example) is displayed on the LCD monitor or (in the electronic view finder).In every error status, such the message as shown below alter nately appear over and over.

- In an emergency mode, all operations except turning on/off the POWER switch are ineffectual.

Example (in case of the error number E01):



LCD display	Emergencymode	Details	Possible cause
E01	LOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the loading direction for 4 seconds or more. This error is defined as [E01].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift. 3. No power is supplied to the loading MDA.
E02	UNLOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the unloading direction for 4 seconds or more. This error is defined as [E02].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift.
E03	TU & SUP REEL FG	In the case no REEL FG is produced for 4 seconds or more in the capstan rotation mode after loading was complete, the mechanism mode is shifted to STOP with the pinch roller set off. This error is defined as [E03].However, no REEL EMG is detected in the SLW/STILL mode.	1. The idler gear does not engage with the reel disk well. 2. Though the idler gear and reel disk are engaged with each other, the tape is not wound because of overload to the mechanism. 3. No FG pulse is output from the reel sensor. 4. No power is supplied to the reel sensor. 5. Tape transport operation takes place with a cassette having no tape inside. 6. The tape slackens and no pulse is produced until the slack is taken up and the tape comes into the normal status.
E04	DRUM FG	In the case there is no DRUM FG input in the drum rotation mode for 4 seconds or more. This error is defined as [E04], and the mechanism mode is shifted to STOP with the pinch roller set off.	1. The drum cannot be started or drum rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. 2) The tape is damaged or soiled with grease, etc. 2. The DRUM FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the DRUM FG pulse generator (hall element). 3. No drum control voltage is supplied to the MDA. 4. No power is supplied to the DRUM MDA.
E05	-	-	-
E06	CAPSTAN FG	In the case no CAPSTAN FG is produced in the capstan rotation mode for 2 seconds or more. This error is defined as [E06], and the mechanism mode is shifted to STOP with the pinch roller set off.However, no CAPSTAN EMG is detected in the STILL/FF/REW mode.	1. The CAPSTAN FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the CAPSTAN FG pulse generator (MR element). 2. No capstan control voltage is supplied to the MDA. 3. The capstan cannot be started or capstan rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. (Mechanical locking) 2) The tape is damaged or soiled with grease, etc. (Tape tangling occurs, etc.)

Fig.5-3-1

PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

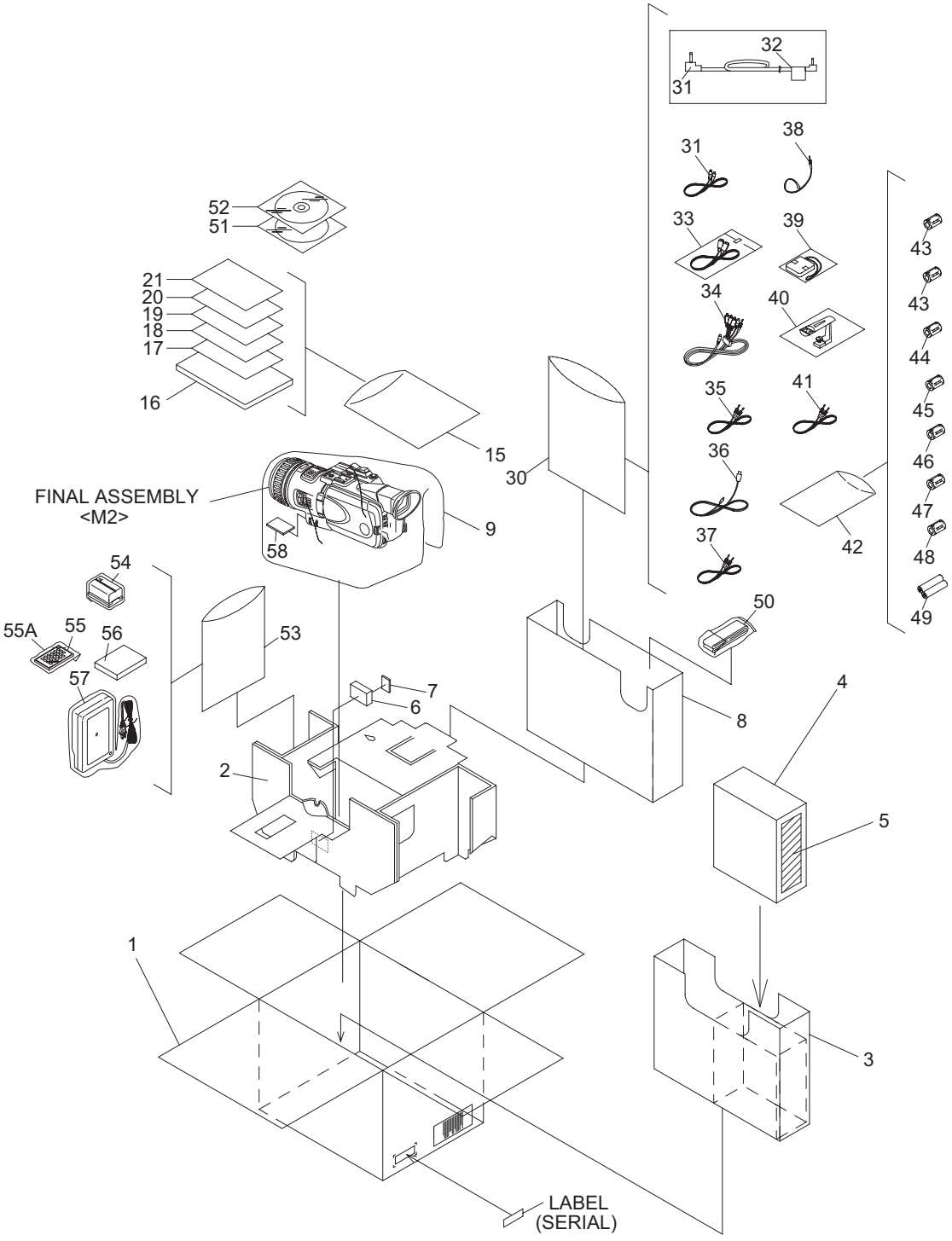
BEWARE OF BOGUS PARTS

Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

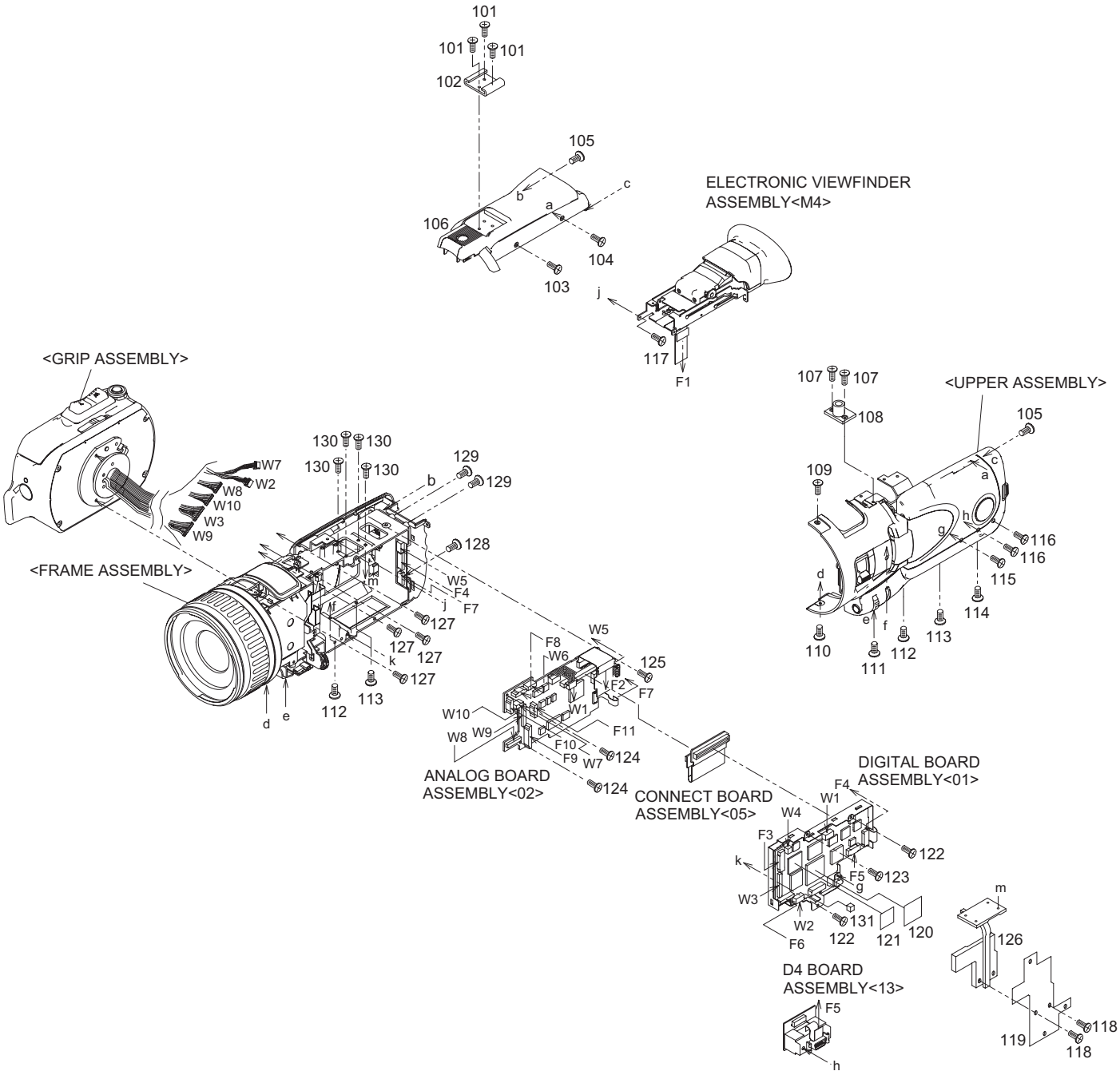
1. EXPLODED VIEW

1.1 PACKING AND ACCESSORY ASSEMBLY <M1>

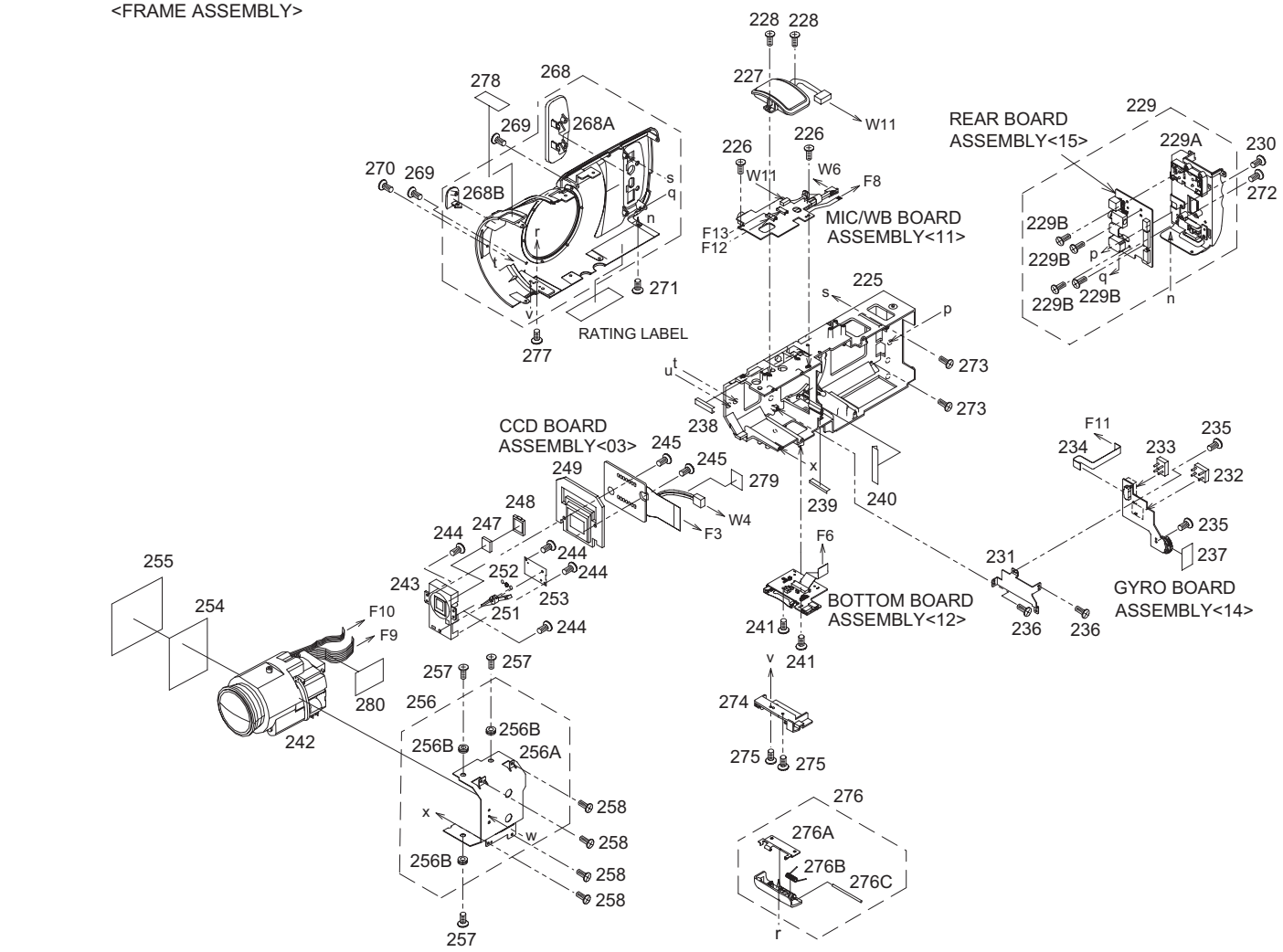
The instruction manual to be provided with this product will differ according to the destination.

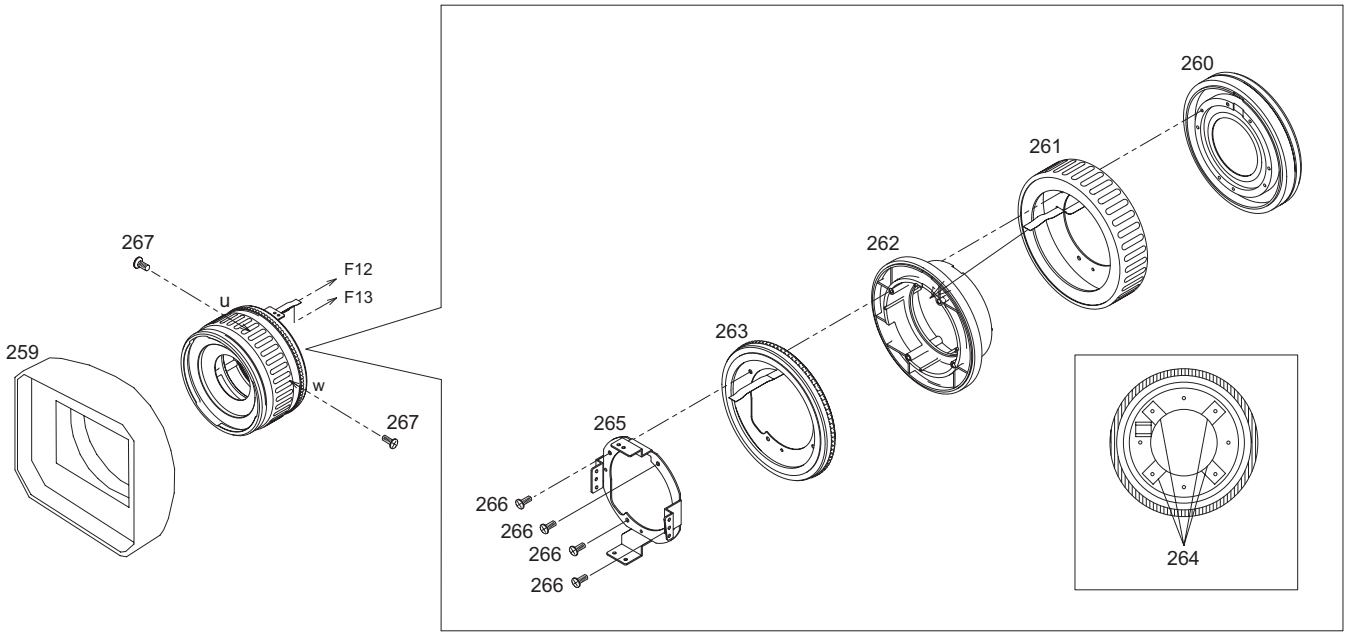


1.2 FINAL ASSEMBLY <M2>

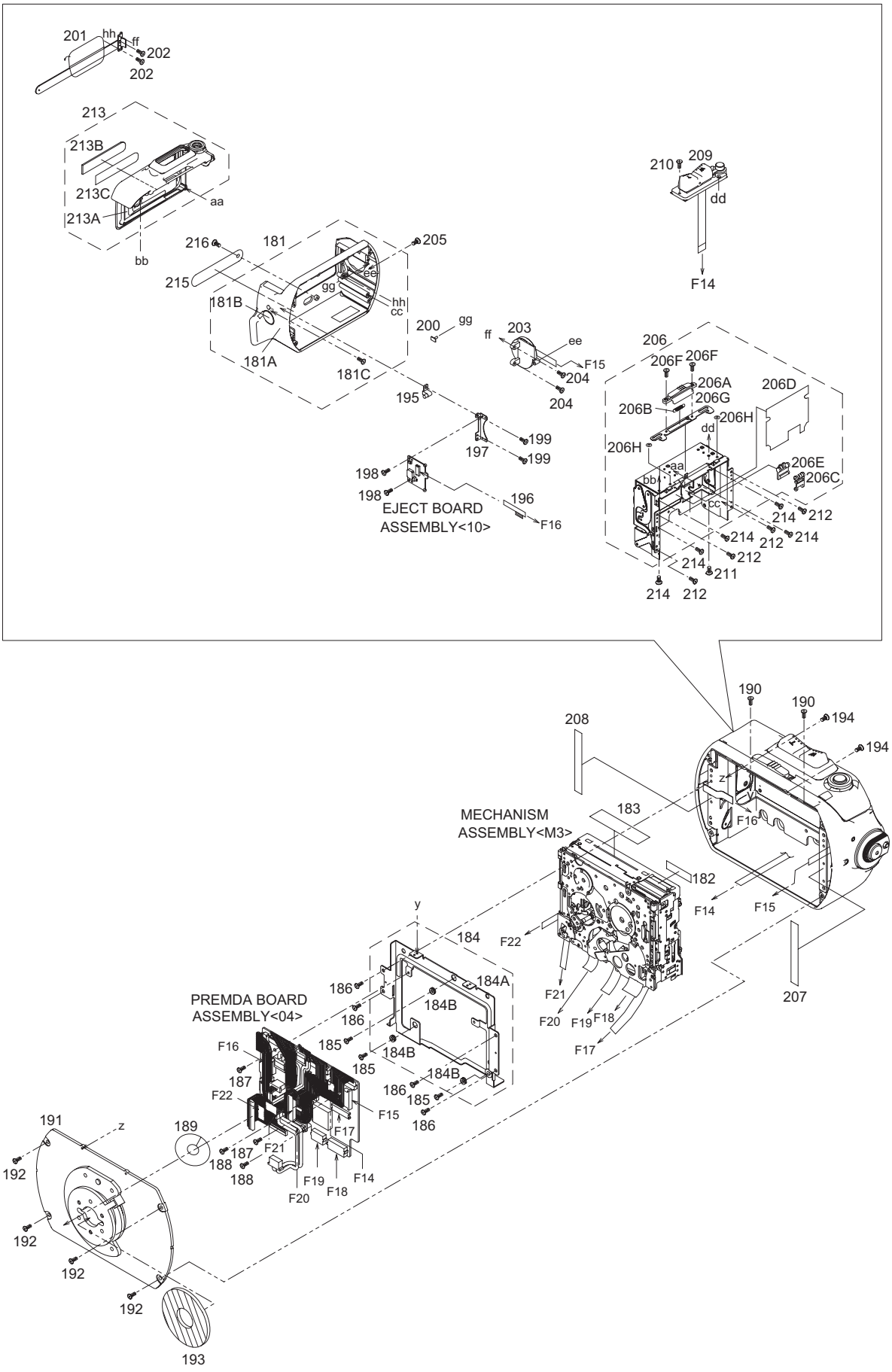


<FRAME ASSEMBLY>

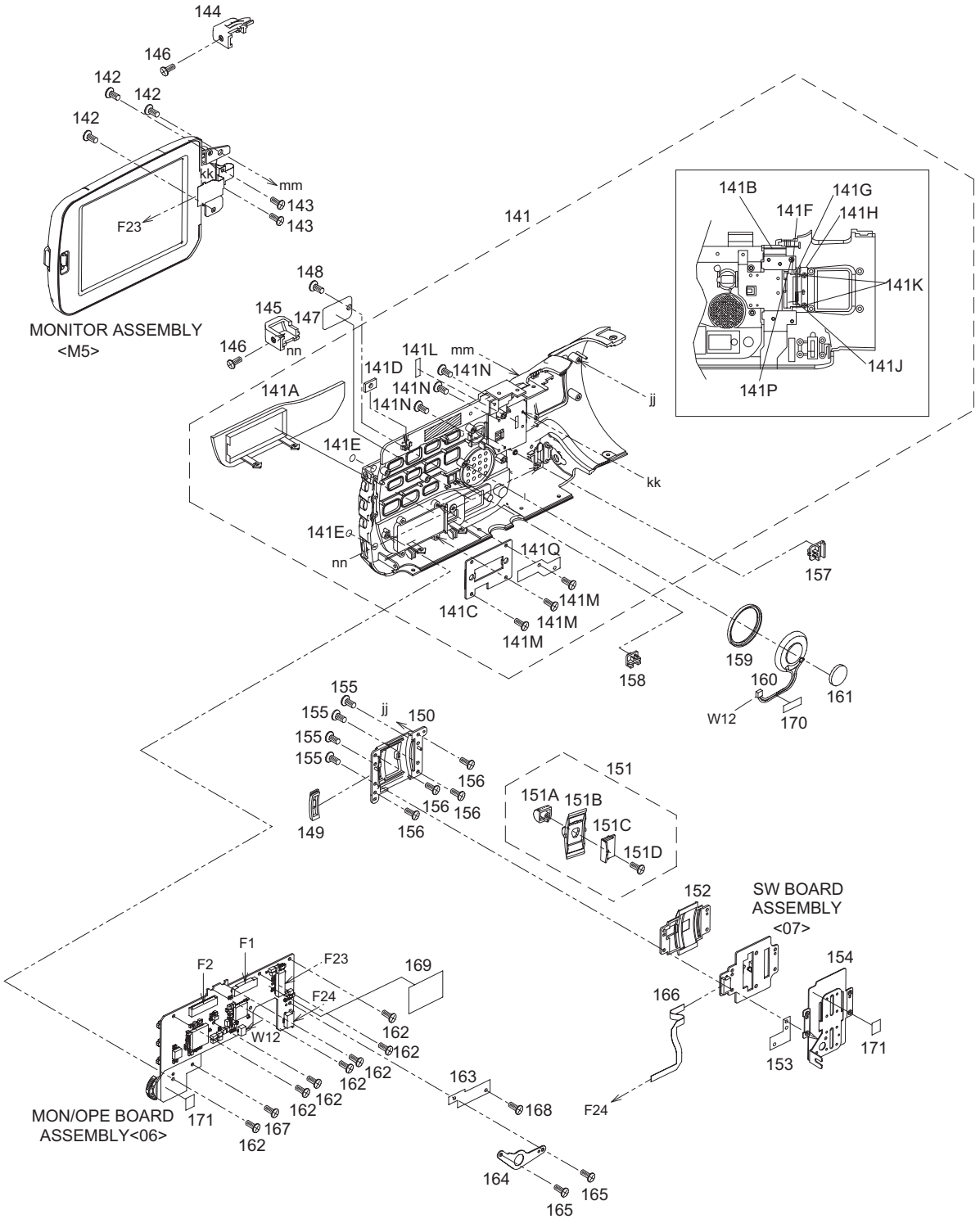




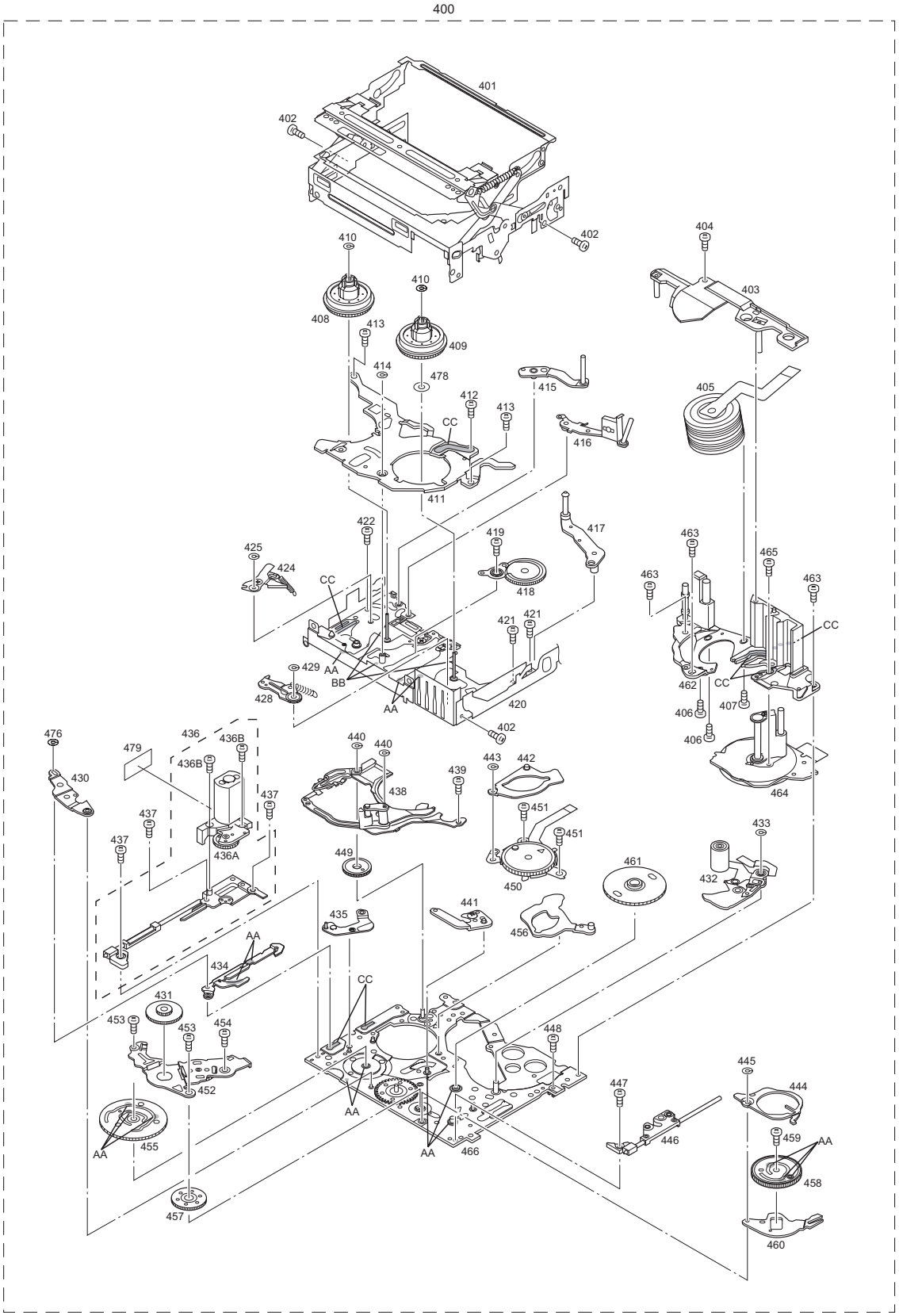
<GRIP ASSEMBLY>



<UPPER ASSEMBLY>



1.3 MECHANISM ASSEMBLY <M3>

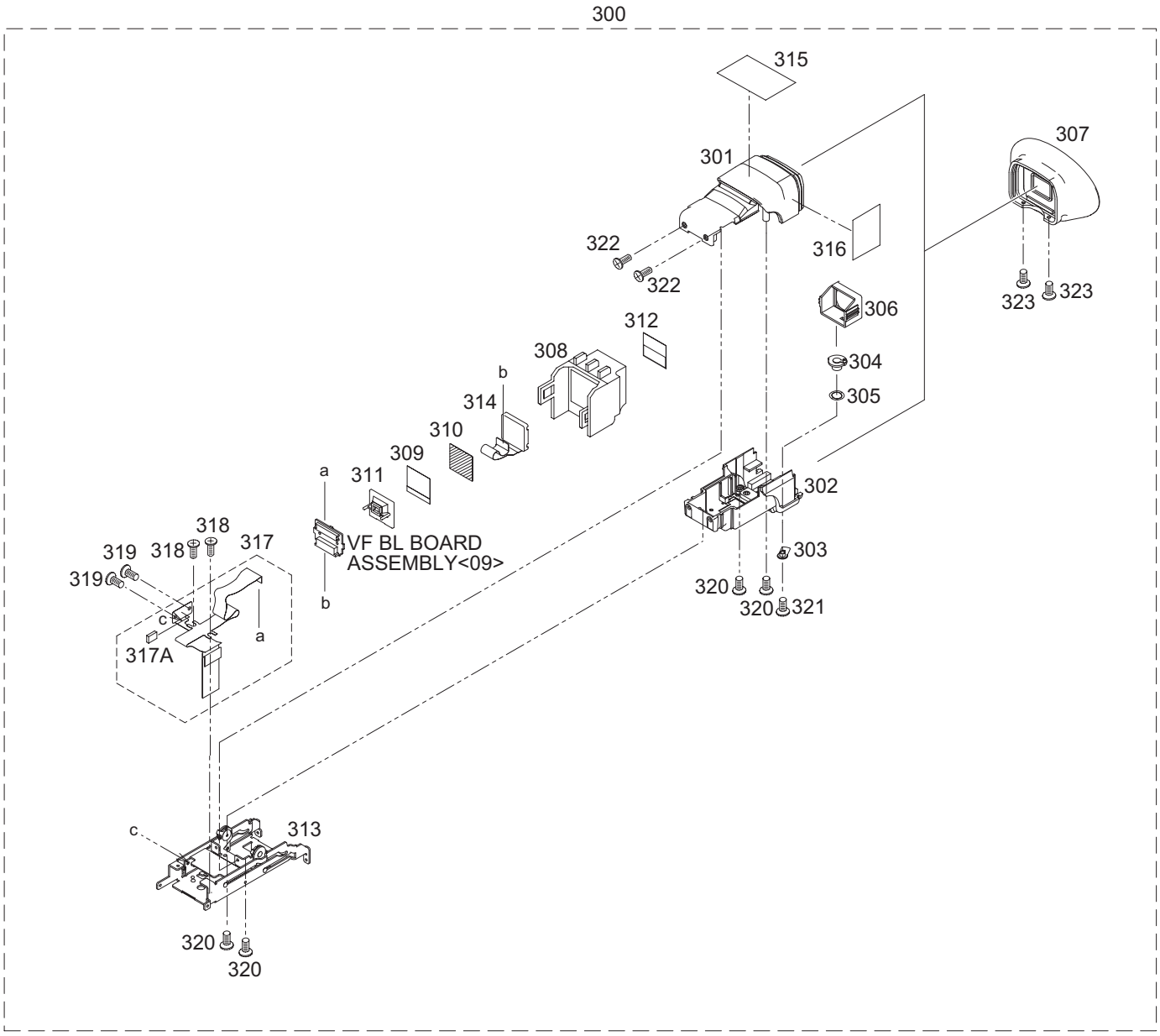


Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-JB	AA
Oil	YTU94027	BB
Grease (HANARL)	RX-410R	CC

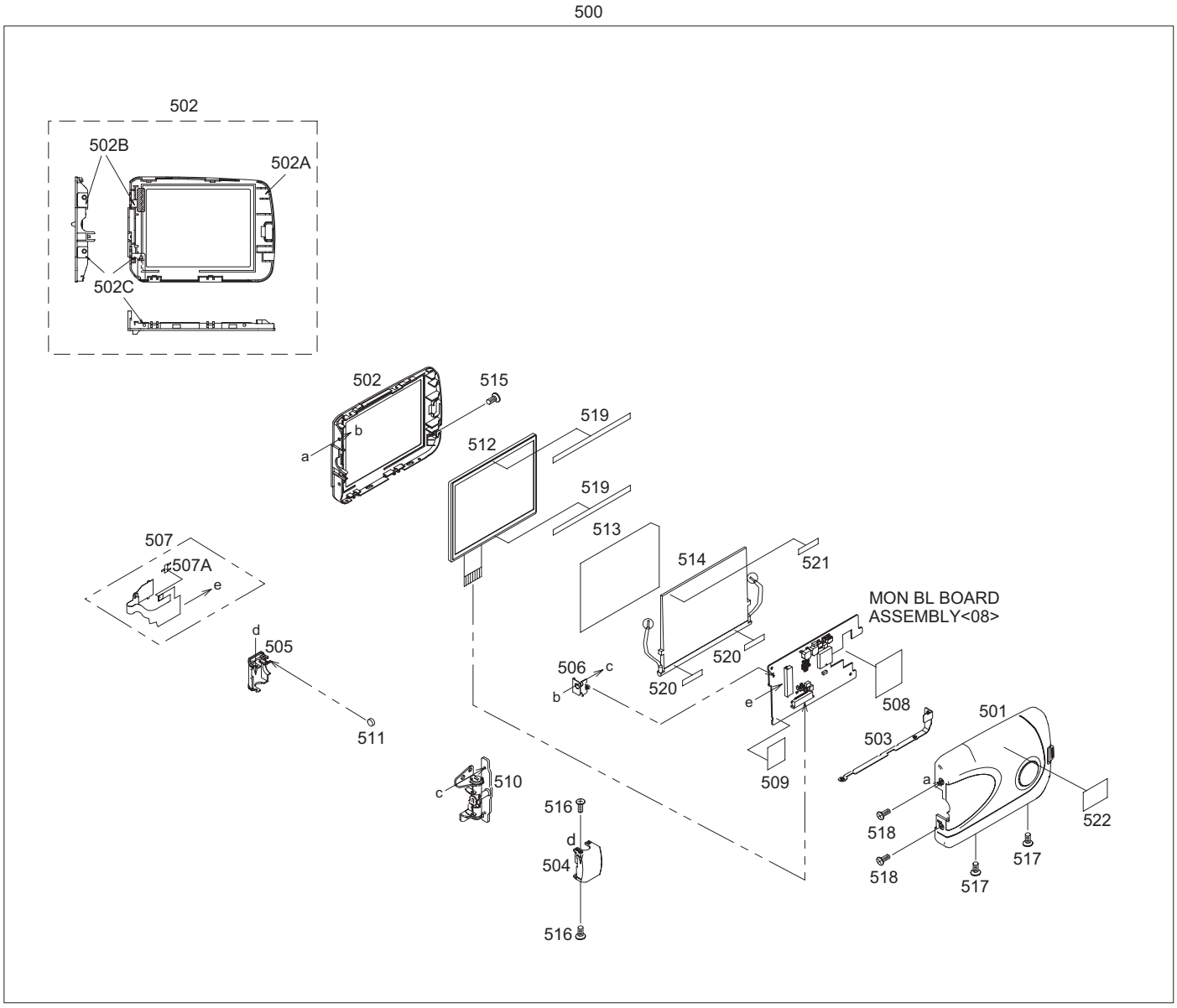
NOTE1: The section marked in **AA** and **BB**, **CC** indicate lubrication and greasing areas.

NOTE2: Mark ⋆ is not contained in 900A.

1.4 ELECTRONIC VIEWFINDER ASSEMBLY <M4>



1.5 MONITOR ASSEMBLY <M5>



2. PARTS LIST

PACKING AND ACCESSORY ASSEMBLY <M1>

⚠ Symbol No.	Part No.	Part Name	Description	Local
1	LY33548-002A	PACKING CASE		
2	LY33165-001A	CUSHION		
3	LY33551-001A	CUSHION2		
4	LY33610-001A	CUSHION(SLEEVE)		
5	LY30030-0Q2A	SPACER(A)		
6	LY44314-001A	CUSHION(BLOCK)		
7	LY30030-0Q1A	SPACER(A)		
8	LY33622-001A	CUSHION3		
9	LY30023-031A	POLY BAG		
15	QPA02003506	POLY BAG	20cm x 35cm	
⚠ 16	LYT1154-001A	INST BOOK	(ENGLISH)	
⚠ 16	LYT1154-002A	INST BOOK	(FRENCH)	
⚠ 16	LYT1154-003A	INST BOOK	(SPANISH)	
17	LYT1155-001A	INST BOOK	(SOFT.ENGLISH)	
17	LYT1155-003A	INST BOOK	(SOFT.FRENCH)	
17	LYT1155-005A	INST BOOK	(SOFT.SPANISH)	
18	LYT1174-004A	SHEET(ATT.)		
19	BT-51005-6	WARRANTY INF.		
20	BT-51028-2	REGIST CARD		
21	BT-52006-2	WARRANTY CARD		
30	QPA01703005	POLY BAG	17cm x 30cm	
31	QAM0432-001	DC CABLE		
32	LY44207-002A	LABEL(CAUTION)		
33	QAM0465-001	D CABLE		
34	QAM0476-001	MULTI CABLE		
35	QAM0402-001	RM CABLE		
36	QAM0451-001	USB CABLE		
37	QAM0213-001	AUDIO CABLE	HP	
38	QAM0213-001	AUDIO CABLE	MIC	
39	LY33275-002A	LENS CAP ASSY		
40	LY33294-001B	HANDLE		
41	QAM0475-001	AUDIO CABLE		
42	LY30023-014A	POLY BAG		
43	QQR0491-002	FERRITE CORE	USB(x2)	
44	QQR0917-002	CORE FILTER	MIC	
45	QQR0917-002	CORE FILTER	HP	
46	QQR0919-002	CORE FILTER	DV	
47	QQR0491-002	FERRITE CORE	D	
48	QQR0917-002	CORE FILTER	DC	
49	----------	BATTERY	AAA(R03)(x2)	
50	LY21051-002A	SHOULDER STRAP		
51	LY32210-056A	CD ROM ASSY		
52	LY32210-043A	CD ROM ASSY		
53	QPA02503505P	POLY BAG	25cm x 35cm	
⚠ 54	LY32917-002A	BATT.PACK ASSY	BN-V428U	
55	LY20750-001A	REMOCON	RM-V717U	
55A	PTY20543-011	BATTERY COVER		
56	QAM0287-001	CLEANING TAPE	M-DV12CLAU	
⚠ 57	LY20591-001E	BATT.CHARG.ASSY	AA-V40U	
58	QAM0342-002	MEMORY CARD*		

***NOTE:**
DATA FILE is not contained in MEMORY CARD of the service part.

FINAL ASSEMBLY <M2>

⚠ Symbol No.	Part No.	Part Name	Description	Local
101	LY30018-0K7A	SPECIAL SCREW	(x3)	
102	LY33142-001B	SHOE		
103	LY30018-0D5A	SPECIAL SCREW		
104	LY30018-080A	SPECIAL SCREW		
105	LY30018-0D5A	SPECIAL SCREW	(x2)	
106	LY33273-002A	TOP COVER ASSY		
107	LY30018-0J3A	SPECIAL SCREW	(x2)	
108	LY33143-001B	HOLDER(SHOE)		
109	LY30018-0D5A	SPECIAL SCREW		
110	LY30018-0D5A	SPECIAL SCREW		
111	LY30018-080A	SPECIAL SCREW		
112	LY30018-080A	SPECIAL SCREW	(x2)	
113	LY30018-080A	SPECIAL SCREW	(x2)	
114	LY30018-080A	SPECIAL SCREW		
115	LY30018-064A	SPECIAL SCREW		
116	LY33456-001A	SPECIAL SCREW	(x2)	
117	LY30018-0D5A	SPECIAL SCREW		
118	LY30018-049A	SPECIAL SCREW	(x2)	
119	LY33595-001A	SHIELD(D.PWB)		
120	LY44233-001A	HEAT SHEET(1)		
121	LY44234-001A	HEAT SHEET(2)		
122	LY30018-049A	SPECIAL SCREW	(x2)	
123	LY30018-049A	SPECIAL SCREW		
124	LY30018-0K8A	SPECIAL SCREW	(x2)	
125	LY30018-0K8A	SPECIAL SCREW		
126	LY33547-001A	HEAT SINK		
127	LY30018-0H8A	SPECIAL SCREW	(x4)	
128	LY30018-0D5A	SPECIAL SCREW		
129	LY30018-0J4A	SPECIAL SCREW	(x2)	
130	LY30018-0E4A	SPECIAL SCREW	(x4)	
131	LY30030-0R3A	SPACER(A)		
⚠ 141	LY21011-002A	UPPER CASE ASSY		
141A	LY33137-001A	JACK COVER		
141B	LY33139-001A	HINGE BKT		
141C	LY33371-001B	PLATE(CONNECTOR)		
141D	LY40162-001A	BKT		
141E	LY44143-001A	SPACER(MONITOR)	(x2)	
141F	LY33138-001A	HINGE COVER		
141G	LY44049-001A	SHAFT		
141H	LY33281-001A	HOLD PLATE		
141J	LY43293-001A	SPRING		
141K	LY30018-020A	SPECIAL SCREW	(x2)	
141L	LY44242-001A	SHEET(UPPER)		
141M	LY30018-020A	SPECIAL SCREW	(x3)	
141N	LY30018-053A	SPECIAL SCREW	(x3)	
141P	LY30018-037A	SPECIAL SCREW		
141Q	LY33582-001A	SHIELD(DV)		
142	LY30018-0E5A	SPECIAL SCREW	(x3)	
143	LY30018-070A	SPECIAL SCREW	(x2)	
144	LY33129-001A	HINGE CASE(U)		
145	LY33130-001A	HINGE CASE(L)		
146	LY30018-0A2A	SPECIAL SCREW	(x2)	
147	LY41393-007A	COVER(JIG CONN)		
148	LY30018-063A	SPECIAL SCREW		
149	LY33393-001A	PAD(MONI)		
150	LY33155-001A	COVER(SLIDE)		
151	LY33266-001A	KNOB(SLIDE)ASSY		
151A	LY33152-001A	KNOB(SLIDE)		
151B	LY33156-001A	SLIDE BASE		
151C	LY33158-001A	PLATE(CLICK)		
151D	LY30018-063A	SPECIAL SCREW		
152	LY33154-001A	HOLDER(KNOB)		
153	LY33591-001A	SHIELD(CCD)		
154	LY33153-001A	BKT(SLIDE)ASSY		
155	LY30018-0C3A	SPECIAL SCREW	(x4)	
156	LY30018-020A	SPECIAL SCREW	(x4)	
157	LY33132-001B	KNOB(SLIDE)1		
158	LY33133-001B	KNOB(SLIDE)2		
159	LY42918-001B	SPACER(SPK)		
160	QAS0129-001	SPEAKER		
161	LY40301-001A	SPACER(SPK)		
162	LY30018-020A	SPECIAL SCREW	(x7)	
163	LY33590-001A	SHIELD(SPEAKER)		
164	LY33140-001A	SPEAKER BKT		
165	LY30018-020A	SPECIAL SCREW	(x2)	
166	WJT0097-001A	E-CARD WIRE		
167	LY30018-020A	SPECIAL SCREW		
168	LY30018-060A	SPECIAL SCREW		
169	LY44293-001A	SHEET(OPE PWB)		
170	LY30030-0D7B	SPACER(A)		
171	LY44299-001A	SPACER(GND)	(x2)	
181	LY33283-002B	GRIP CASE ASSY		
181A	LY10424-002B	GRIP CASE		
181B	LY33116-001A	WINDOW(IR)		
181C	LY30018-0H5A	SPECIAL SCREW		
182	LY40699-002A	LABEL(PUSH)		
183	LY32001-002A	LABEL(HOUSING)		
184	LY33272-001A	BKT(MECHA) ASSY		
184A	LY20969-001A	BKT(MECHA)		
184B	LY42796-001A	BUSH	(x3)	
185	LY30019-028A	SPECIAL SCREW	(x3)	

⚠ Symbol No.	Part No.	Part Name	Description	Local
186	LY30018-049A	SPECIAL SCREW	(x4)	
187	LY30018-049A	SPECIAL SCREW	(x2)	
188	QYSPSPT1414M	SCREW	1.4mm x 1.4mm(x2)	
189	LY44224-001B	SPACER(GR.WIRE)		
190	QYSPSPT1425M	SCREW	M1.4 x 2.5mm(x2)	
191	LY33270-001B	ROTARY GRIP ASSY		
192	LY30018-0H6A	SPECIAL SCREW	(x4)	
193	LY44305-001A	SHEET(RTY)		
194	QYSPSPT1425M	SCREW	M1.4 x 2.5mm(x2)	
195	LY33117-001A	WINDOW(TALLY)		
196	QAL0492-001	FPC		
197	LY33119-001A	BKT(PWB)		
198	LY30018-031A	SPECIAL SCREW	(x2)	
199	LY30018-0H6A	SPECIAL SCREW	(x2)	
200	LY44020-001A	WINDOW(LED)		
201	LY21069-002B	GRIP BELT ASSY		
202	LY30018-0H4A	SPECIAL SCREW	(x2)	
203	LY20970-002A	POWER OPE		
204	LY30018-0D5A	SPECIAL SCREW	(x2)	
205	LY30018-037A	SPECIAL SCREW		
206	LY21019-001B	ARM ASSY		
206A	LY33121-001A	LOCK(KNOB)		
206B	LY30001-029A	TENSION SPRING		
206C	LY33125-001A	FPC COVER(1)		
206D	LY33406-001A	SHEET(ARM)		
206E	LY33126-001A	FPC COVER(2)		
206F	LY30018-053A	SPECIAL SCREW	(x2)	
206G	LY33122-001A	PLATE(LOCK)		
206H	LY30017-032A	SPACER-B	(x2)	
207	LY33599-001A	SHIELD(P.OPE)		
208	LY33600-001A	SHIELD(E.PWB)		
209	LY20971-001A	ZOOM UNIT		
210	LY30018-0C3A	SPECIAL SCREW		
211	LY30018-0J5A	SPECIAL SCREW		
212	LY30018-0H6A	SPECIAL SCREW	(x4)	
213	LY33284-002B	C.COVER ASSY		
213A	LY10455-001B	C.COVER(LOW)		
213B	LY33115-001A	WINDOW(C.C)		
213C	LY44167-001A	SHEET(WINDOW-C.C)		
214	LY30018-0H5A	SPECIAL SCREW	(x5)	
215	LY33120-001B	PLATE(ADJ)		
216	LY30018-0H5A	SPECIAL SCREW		
225	LY10422-001A	FRAME		
226	LY30018-0E3A	SPECIAL SCREW	(x2)	
227	LYH20588-001B	MIC ASSY		
228	LY30018-0C3A	SPECIAL SCREW	(x2)	
⚠ 229	LYH20587-002A	REAR ASSY		
⚠ 229A	LY20976-002A	REAR UNIT		
229B	LY30018-060A	SPECIAL SCREW	(x4)	
230	LY30018-0C3A	SPECIAL SCREW		
231	LY33101-001A	HOLDER(PWB)		
232	QAL0455-001	GYRO SENSOR		
233	QAL0456-001	GYRO SENSOR		
234	QUQ105-10X6AA	FFC WIRE		
235	LY30018-0E3A	SPECIAL SCREW	(x2)	
236	LY30018-0E3A	SPECIAL SCREW	(x2)	
237	LY33607-001A	SPACER(EXP)		
238	LY30030-0D8B	SPACER(A)		
239	LY30030-0C7A	SPACER(A)		
240	LY30030-0C8A	SPACER(A)		
241	LY30018-0E3A	SPECIAL SCREW	(x2)	
242	LY44146-001A	OP BLOCK ASSY		
243	LY10401-001A	MAIN FRAME		
244	LY30727-002A	TAP SCREW	(x4)	
245	LY30018-0E7A	SPECIAL SCREW	(x2)	
247	LY44147-002A	OLPF		
248	LY44150-001A	SHEET		
249	LYH30375-010A	CCD BASE ASSY		
251	LY32976-001A	LEVER		
252	LY44148-001A	T.SPRING		
253	LY43924-001A	COVER		
254	LY30030-0C9A	SPACER(A)		
255	LY30030-0D1A	SPACER(A)		
256	LY33271-001A	OP BKT ASSY		
256A	LY33100-001A	OP BKT		
256B	LY42796-001A	BUSH	(x3)	
257	LY30019-029B	SPECIAL SCREW	(x3)	
258	LY30018-049A	SPECIAL SCREW	(x4)	
259	LY33274-001A	HOOD ASSY		
260	LY20978-001A	FRONT COVER		
261	LY20982-001A	FOCUS RING		
262	LY20980-001B	FRONT HOLDER		
263	LY20983-001A	ZOOM RING		
264	LY33596-001A	SHIELD(FRONT)	(x4)	
265	LY20981-001A	BKT(FRONT)		
266	LY30018-0J2B	SPECIAL SCREW	(x4)	
267	LY30018-043B	SPECIAL SCREW	(x2)	
268	LY33467-002C	LOWER CASE ASSY		
268A	LY33106-001A	COVER(JACK)		
268B	LY33107-001A	COVER(MIC)		
269	LY30018-0E3A	SPECIAL SCREW	(x2)	
270	LY30018-0C3A	SPECIAL SCREW		
271	LY30018-0C3A	SPECIAL SCREW		
272	LY30018-0D5A	SPECIAL SCREW		
273	LY30018-0C3A	SPECIAL SCREW	(x2)	
274	LY33109-001A	HOLDER(SD)		
275	LY30018-0C3A	SPECIAL SCREW	(x2)	
276	LY33269-001D	SD COVER ASSY		
276A	LY33111-001A	BKT SD(1)		
276B	LY33113-001C	TORSION SPRING		
276C	LY33114-001A	SHAFT(SD.COVER)		
277	LY30018-0C3A	SPECIAL SCREW		
278	LY33293-001B	ORNAMENT		
279	LY30030-0R4A	SPACER(A)		
280	LY30030-0T9A	SPACER(A)		

MECHANISM ASSEMBLY <M3>

⚠ Symbol No.	Part No.	Part Name	Description	Local
400	YMA0029L	MECHA(A)ASSY		
401	LY31543-002H	C.HOUSING ASSY		
402	YQ43893-8	MINI SCREW	(x3)	
403	LY31542-001J	U.BASE ASSY		
404	QYSPSPU1425M	SCREW	1.4mm x 2.5mm	
405	YDV2096D	DRUM ASSY		
406	LY42820-001A	DAMP.SCREW ASSY	(x2)	
407	LY42820-002A	DAMP.SCREW ASSY		
408	LY31538-001F	R.DISK ASSY		
409	LY31538-002G	R.DISK ASSY		
410	YQ44246	SLIT WASHER	(x2)	
411	LY10217-001F	REEL COVER ASSY		
412	LY42120-002A	MINI SCREW		
413	LY41945-003A	MINI SCREW	(x2)	
414	YQ44246	SLIT WASHER		
415	LY42025-001C	TEN.ARM ASSY		
416	LY31535-001F	S.POLE ARM ASSY		
417	LY42031-001K	TU ARM ASSY		
418	LY31531-001D	SWING ARM ASSY		
419	YQ43893	MINI SCREW		
420	LY20530-003E	S.DECK F.ASSY		
421	YQ43893	MINI SCREW	(x2)	
422	LY43023-001A	MINI SCREW		
424	LY31533-001E	PAD ARM ASSY		
425	YQ44246	SLIT WASHER		
428	LY42016-001B	TU BRAKE ASSY		
429	YQ44246	SLIT WASHER		
430	LY41959-001B	T.C.LEVER ASSY		
431	LY31525-001B	CENTER GEAR		
432	LY31516-001F	P.R.ARM F.ASSY		
433	YQ44246	SLIT WASHER		
434	LY41956-001C	T.C.PLATE ASSY		
435	LY41962-001C	B.C.LEVER ASSY		
436	LY20525-002C	M.BRACKET ASSY		
436A	QAR0138-001	LOADING MOTOR		
436B	LY41940-001A	TAPPING SCREW	(x2)	
437	YQ43893	MINI SCREW	(x3)	
438	LY20528-001U	GUIDE RAIL ASSY		
439	YQ43893	MINI SCREW		
440	YQ44246	SLIT WASHER	(x2)	
441	LY31498-001D	SLIDE LEVER2 AS		
442	LY41965-001A	LOAD.PLATE ASSY		
443	YQ44246	SLIT WASHER		
444	LY31522-001B	EJECT LEVER		

⚠ Symbol No.	Part No.	Part Name	Description	Local
445	YQ44246	SLIT WASHER		
446	LY41929-001F	BASE R ASSY		
447	YQ43893	MINI SCREW		
448	LY41945-001B	MINI SCREW		
449	LY41930-001A	MODE GEAR		
450	QSW0876-003	ROTARY ENCODER		
451	YQ43893	MINI SCREW	(x2)	
452	LY31524-001A	G.COVER ASSY		
453	YQ43893	MINI SCREW	(x2)	
454	YQ43893-4	MINI SCREW		
455	LY41948-001C	MAIN CAM ASSY		
456	LY41941-001B	SLIDE ARM ASSY		
457	LY41951-001B	CONNECT GEAR 2		
458	LY41954-001C	SUB CAM ASSY		
459	LY42120-001A	MINI SCREW		
460	LY41952-001A	CTL.ARM ASSY		
461	LY31523-001B	REEL GEAR 1		
462	LY33372-001A	DRUM BASE ASSY		
463	QYSPSPU1425M	SCREW	1.4mm x 2.5mm(x3)	
464	QAR0142-001	CAPSTAN MOTOR		
465	YQ43893	MINI SCREW		
466	LY10210-001G	MAIN DECK ASSY		
476	YQ44246	SLIT WASHER		
479	LY43987-001B	SPACER		

ELECTRONIC VIEWFINDER ASSEMBLY <M4>

⚠ Symbol No.	Part No.	Part Name	Description	Local
300	LYH20592-002A	VF ASSY		
301	LY10431-001B	TOP COVER		
302	LY33279-001A	B.COVER ASSY		
303	LY43324-001A	LEVER(LENS)		
304	LY33167-001B	LINK(LENS)		
305	LY30017-036A	SPACER-B		
306	LY43325-001A	HOLD(LENS)ASSY		
307	LY20986-001B	EYE CUP		
308	LY33166-001B	LCD HOLDER		
309	LY43327-001A	SHEET(DIFFUSE)		
310	LY43328-001A	SHEET(PRISM)		
311	LY43343-001A	HOLDER(PWB)		
312	LY44152-001A	SHEET(VF)		
313	LY33280-001B	HOLDER(VF)ASSY		
314	QLD0117-002	LCD MODULE		
315	LY41701-004A	SHEET(CAUTION)1		
316	LY43041-001A	LABEL(VF)		
317	LY33290-001A	FPC ASSY(VF)		
317A	NSW0137-001	PUSH SWITCH		
318	LY30018-031A	SPECIAL SCREW	(x2)	
319	LY30018-031A	SPECIAL SCREW	(x2)	
320	LY30018-084A	SPECIAL SCREW	(x4)	
321	LY30018-037A	SPECIAL SCREW		
322	LY30018-067B	SPECIAL SCREW	(x2)	
323	LY30019-041A	SPECIAL SCREW	(x2)	

MONITOR ASSEMBLY <M5>

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ 500	LYH20591-003A	MONITOR ASSY		
⚠ 501	LY33278-002A	M.COVER ASSY		
502	LY33404-001B	M.CASE ASSY		
502A	LY10430-001A	MONITOR CASE		
502B	LY44153-001A	SHEET(EARTH.1)		
502C	LY44154-001B	SHEET(EARTH.2)		

⚠ Symbol No.	Part No.	Part Name	Description	Local
503	LY33148-001A	BKT(MONITOR)		
504	LY33144-001A	HINGE COVER(U)		
505	LY33145-001A	HINGE COVER(L)		
506	LY33151-001A	SHIELD PLATE		
507	LY33289-001A	FPC ASSY(MONI)		
507A	DN8797MS-X	IC		
508	LY30030-0D9B	SPACER(A)		
509	LY44291-001A	SPACER		
510	LY32017-001C	HINGE ASSY		
511	LY42355-001A	MAGNET		
512	QLD0115-003	LCD MODULE		
513	LY44198-002A	D BEF SHEET		
514	QLL0148-001	BACK LIGHT		
515	LY30018-070A	SPECIAL SCREW		
516	LY30018-0A2A	SPECIAL SCREW	(x2)	
517	LY30018-064A	SPECIAL SCREW	(x2)	
518	LY30018-042A	SPECIAL SCREW	(x2)	
519	LY44268-001A	MONITOR SPACER	(x2)	
520	LY30030-0N6A	SPACER(A)	(x2)	
521	LY30030-0R8A	SPACER(A)		
522	LY44392-001A	STICKER		

DIGITAL BOARD ASSEMBLY <01>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10407B-03	DIGITAL BOARD ASSY		
IC1001	UPD703038F1-A28	IC(MICRO C ROM)		
IC1001 or	UPD70F3038FA28A	IC(MICRO C ROM)		
IC1001 or	UPD70F3038F1A28	IC(MICRO C ROM)		
IC1003	25LC640X-I/ST-X	IC		
IC1006	MB90097PFV151-X	IC(MICRO C ROM)		
IC1007	SN74AHC1G08K-X	IC		
IC1008	IC-PST3423U-X	IC		
IC2101	AK4550VT-X	IC		
IC3001	JCY0172	IC	BGA 304pin	
IC3002	JCY0136-X	IC		
IC3201	JCY0173	IC		
IC3202	K4S641633F-RN75	IC		
IC3203	MM1612EN-X	IC		
IC3601	JCP8039	IC		
IC3651	NJM2580M-X	IC		
IC3652	SN74AHC2G53T-X	IC		
IC3701	BA7665FS-X	IC		
IC3701 or	BA7665AFS-X	IC		
IC3801	JCP8045	IC		
IC3851	MM1504XN-X	IC		
IC4201	HD49340HNP-X	IC		
IC4202	MM1613BN-X	IC		
IC4301	YQ44920A	CSP IC ASSY		
IC5001	JCY0178	IC		
IC5002	W194-70G-X	IC		
IC5003	MM1613FN-X	IC		
IC8001	NLC0459APB	IC		
IC8002	BU2288FV-X	IC		
IC8003	SN74AHC1G08K-X	IC		
IC8201	MBV160BE90PBA01	IC(MICRO C ROM)		
IC8201 or	MBV160BE70PBA01	IC(MICRO C ROM)		
IC8202	EDS1232AABB-60T	IC		
IC8203	EDS1232AABB-60T	IC		
IC8301	ISP1181ABS	IC		
IC8302	S-80842CNNB-W	IC		
IC8501	MN5774	IC		
IC8801	PDI1394P25BD	IC		
Q1001	DTC124EE-X	DIGI TRANSISTOR		
Q1002	2SC4617/RS/-X	TRANSISTOR		
Q1003	DTC143EE-X	DIGI TRANSISTOR		
Q1004	DTC143XE-X	DIGI TRANSISTOR		
Q1007	DTC143XE-X	DIGI TRANSISTOR		
Q3001	2SC4617/RS/-X	TRANSISTOR		
Q3002	2SC4617/RS/-X	TRANSISTOR		
Q3601	2SA1774/RS/-X	TRANSISTOR		
Q3602	UMT1N-W	PAIR TRANSISTOR		

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q3602	or PUMT1-W	PAIR TRANSISTOR		
Q3651	UMT1N-W	PAIR TRANSISTOR		
Q3651	or PUMT1-W	PAIR TRANSISTOR		
Q3654	UMZ1N-W	PAIR TRANSISTOR		
Q3654	or XP4601-W	TRANSISTOR		
Q3655	UMC3N-W	DIGI TRANSISTOR		
Q3656	UMZ1N-W	PAIR TRANSISTOR		
Q3656	or XP4601-W	TRANSISTOR		
Q3701	UMZ1N-W	PAIR TRANSISTOR		
Q3701	or XP4601-W	TRANSISTOR		
Q3801	UMT1N-W	PAIR TRANSISTOR		
Q3801	or PUMT1-W	PAIR TRANSISTOR		
Q3802	2SA1774/RS/-X	TRANSISTOR		
Q3803	UMT1N-W	PAIR TRANSISTOR		
Q3803	or PUMT1-W	PAIR TRANSISTOR		
Q3851	2SC4617/RS/-X	TRANSISTOR		
Q3852	DTC144EE-X	DIGI TRANSISTOR		
Q3853	UMZ1N-W	PAIR TRANSISTOR		
Q3853	or XP4601-W	TRANSISTOR		
Q3854	2SC4617/RS/-X	TRANSISTOR		
Q3855	UMZ1N-W	PAIR TRANSISTOR		
Q3855	or XP4601-W	TRANSISTOR		
D1001	DA221-X	DIODE ARRAY		
D1002	1SS376-X	SI DIODE		
D3001	EC2C01C-X	VARI CAP DIODE		
D3002	EC2C01C-X	VARI CAP DIODE		
D3201	EC2C01C-X	VARI CAP DIODE		
D5001	1SS355-X	SI DIODE		
D8301	1SS355-X	SI DIODE		
D8301	or MA111-X	SI DIODE		
D8801	MA2Z720-X	SB DIODE		
C1004	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1005	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C1007	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1008	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1009	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1010	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1011	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1012	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1013	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1014	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1015	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1017	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1018	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1019	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1023	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1025	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1026	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1028	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1029	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1030	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1031	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1034	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1036	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1037	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1038	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2101	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2102	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2105	NDCA1HJ-151W	C CAPACITOR	150pF 50V J	
C2106	NDCA1HJ-151W	C CAPACITOR	150pF 50V J	
C2107	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C2108	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2109	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2110	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C3001	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3002	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3003	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3004	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3005	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3006	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3007	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3008	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3009	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3010	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3011	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3012	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C3013	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3014	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3015	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3016	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3017	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3018	NDCA1EJ-271W	C CAPACITOR	270pF 25V J	
C3019	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C3020	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3021	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3022	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C3023	NCBA1HK-222W	C CAPACITOR	2200pF 50V K	
C3024	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3025	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3026	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3027	NDCA1HJ-120W	C CAPACITOR	12pF 50V J	
C3028	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3029	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J	
C3030	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J	
C3032	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3033	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3034	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3035	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3036	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3037	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3038	NBE90GM-226X	TA E CAPACITOR	22uF 4V M	
C3039	NBG40GM-226X	TA E CAPACITOR	22uF 4V M	
C3051	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3053	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3054	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C3055	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3201	NBE90GM-226X	TA E CAPACITOR	22uF 4V M	
C3202	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3203	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3205	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3206	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3207	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3208	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3209	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3210	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3212	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3213	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3214	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C3215	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3216	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3219	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3220	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3221	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J	
C3222	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3223	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3224	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3225	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3226	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3227	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3228	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3601	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3602	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3603	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3604	NBE20GM-476X	TA E CAPACITOR	47uF 4V M	
C3605	NDCA1HJ-820W	C CAPACITOR	82pF 50V J	
C3606	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3607	NDCA1HJ-820W	C CAPACITOR	82pF 50V J	
C3608	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3609	NDCA1HJ-820W	C CAPACITOR	82pF 50V J	
C3610	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3613	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3614	NDCA1HJ-121W	C CAPACITOR	120pF 50V J	
C3615	NDCA1HJ-560W	C CAPACITOR	56pF 50V J	
C3616	NDCA1HJ-121W	C CAPACITOR	120pF 50V J	
C3617	NDCA1HJ-560W	C CAPACITOR	56pF 50V J	
C3618	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3619	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3620	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3621	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3622	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3623	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3624	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3625	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C3626	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3627	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3628	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3629	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3651	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3652	NDCA1HJ-100W	C CAPACITOR	10pF 50V J	
C3653	NDCA1HJ-220W	C CAPACITOR	22pF 50V J	
C3654	NDCA1HJ-470W	C CAPACITOR	47pF 50V J	
C3655	NDCA1HJ-220W	C CAPACITOR	22pF 50V J	
C3656	NDCA1HJ-5R0W	C CAPACITOR	5pF 50V J	
C3657	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J	
C3658	NDCA1HJ-180W	C CAPACITOR	18pF 50V J	
C3659	NDCA1HJ-5R0W	C CAPACITOR	5pF 50V J	
C3660	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3661	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3662	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3663	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3665	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3666	NBE90GM-226X	TA E CAPACITOR	22uF 4V M	
C3667	NBE20GM-107X	TA E CAPACITOR	100uF 4V M	
C3673	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3701	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3702	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3703	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3704	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3705	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3706	NBE90GM-226X	TA E CAPACITOR	22uF 4V M	
C3707	NBE20GM-107X	TA E CAPACITOR	100uF 4V M	
C3708	NBE90GM-226X	TA E CAPACITOR	22uF 4V M	
C3709	NBE20GM-107X	TA E CAPACITOR	100uF 4V M	
C3801	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3802	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3803	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3804	NBE20GM-476X	TA E CAPACITOR	47uF 4V M	
C3805	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3806	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3807	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3808	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3809	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3810	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3811	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3812	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3813	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3814	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3815	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3816	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3817	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3818	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3819	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3821	NDCA1HJ-121W	C CAPACITOR	120pF 50V J	
C3822	NDCA1HJ-560W	C CAPACITOR	56pF 50V J	
C3823	NDCA1HJ-151W	C CAPACITOR	150pF 50V J	
C3824	NDCA1HJ-560W	C CAPACITOR	56pF 50V J	
C3825	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3851	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3852	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3853	NDCA1HJ-3R0W	C CAPACITOR	3pF 50V J	
C3854	NDCA1HJ-5R0W	C CAPACITOR	5pF 50V J	
C3855	NDCA1HJ-330W	C CAPACITOR	33pF 50V J	
C3856	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3858	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3860	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3861	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3862	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3863	NDCA1HJ-3R0W	C CAPACITOR	3pF 50V J	
C3864	NDCA1HJ-5R0W	C CAPACITOR	5pF 50V J	
C3865	NDCA1HJ-330W	C CAPACITOR	33pF 50V J	
C3866	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3868	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C4201	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4202	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4203	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4204	NBE20GM-476X	TA E CAPACITOR	47uF 4V M	
C4205	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4206	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4207	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4208	NCBA1CK-123W	C CAPACITOR	0.012uF 16V K	
C4209	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4210	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4211	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C4212	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4213	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4214	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4215	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4216	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4217	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4218	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4301	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C4302	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C4303	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C4304	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4305	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4306	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4307	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4308	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4309	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4310	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4311	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4312	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4313	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4314	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4315	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5001	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5002	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5003	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5004	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5005	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C5006	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5007	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5008	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5009	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5010	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5011	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C5012	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5013	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5014	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C5016	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5017	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5019	NBZ0018-106X	TA E CAPACITOR	10uF 20V M	
C5021	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5023	NBE41AM-106X	TA E CAPACITOR	10uF 10V M	
C5025	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5026	NBP21VM-105X	TA E CAPACITOR	1uF 35V M	
C5027	NDCA1HJ-470W	C CAPACITOR	47pF 50V J	
C8001	NBE20GM-476X	TA E CAPACITOR	47uF 4V M	
C8002	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8003	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8004	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8005	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8006	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C8007	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8008	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8009	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8010	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8011	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C8012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8013	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C8017	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C8018	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8019	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8020	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8021	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8022	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8023	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C8024	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8025	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8201	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C8202	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8203	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C8204	NBG40GM-226X	TA E CAPACITOR	22uF 4V M	
C8205	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8207	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C8211	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8219	NBG40GM-226X	TA E CAPACITOR	22uF 4V M	
C8220	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C8224	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C8226	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8227	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C8301	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C8305	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8306	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8307	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8310	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8311	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8501	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C8502	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8503	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8504	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8801	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C8802	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C8803	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8804	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C8805	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C8806	NDCA1EJ-271W	C CAPACITOR	270pF 25V J	
C8807	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8808	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C8809	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
R1001	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1002	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R1003	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1006	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1007	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
R1010	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R1015	NRSA6AJ-474W	MG RESISTOR	470kΩ 1/16W J	
R1018	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1025	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1026	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1029	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1030	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1035	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1037	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1039	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1044	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R1045	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R1046	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1048	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1049	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J	
R1050	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R1051	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R1052	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R1053	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R1054	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1055	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1056	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1058	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1060	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1066	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1072	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1081	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1082	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1083	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1084	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1085	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1088	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1089	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1090	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R1091	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R1092	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R1093	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R1094	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1095	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1096	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1097	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1098	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1099	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1100	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1101	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1102	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R1103	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1104	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1105	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R2101	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J	
R2102	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J	
R2103	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R2104	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R2110	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2111	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2112	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3001	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3003	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3004	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3005	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3006	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R3007	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J	
R3008	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3009	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3010	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3011	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3012	NRSA6AJ-560W	MG RESISTOR	56Ω 1/16W J	
R3013	NRSA6AJ-560W	MG RESISTOR	56Ω 1/16W J	
R3014	NRSA6AJ-560W	MG RESISTOR	56Ω 1/16W J	
R3015	NRSA6AJ-560W	MG RESISTOR	56Ω 1/16W J	
R3016	NRSA6AJ-512W	MG RESISTOR	5.1kΩ 1/16W J	
R3017	NRSA6AJ-242W	MG RESISTOR	2.4kΩ 1/16W J	
R3018	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J	
R3019	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J	
R3020	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3021	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R3022	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3023	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R3024	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R3025	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R3026	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R3027	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R3028	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3029	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3030	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3031	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3051	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3052	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R3053	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R3054	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R3055	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R3056	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3201	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3205	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R3206	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3207	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R3208	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3211	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R3213	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R3214	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3215	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3217	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3218	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3219	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R3220	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3221	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3222	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3223	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3601	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R3602	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R3603	NRSA6AD-821W	MG RESISTOR	820Ω 1/16W D	
R3604	NRSA6AD-821W	MG RESISTOR	820Ω 1/16W D	
R3605	NRSA6AD-821W	MG RESISTOR	820Ω 1/16W D	
R3606	NRSA6AD-181W	MG RESISTOR	180Ω 1/16W D	
R3607	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3608	NRSA6AJ-561W	MG RESISTOR	560Ω 1/16W J	
R3609	NRSA6AD-101W	MG RESISTOR	100Ω 1/16W D	
R3610	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R3611	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3612	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3613	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R3614	NRSA6AD-101W	MG RESISTOR	100Ω 1/16W D	
R3615	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3616	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3617	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3618	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3619	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R3620	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3651	NRSA6AD-271W	MG RESISTOR	270Ω 1/16W D	
R3652	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R3653	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R3654	NRSA6AD-102W	MG RESISTOR	1kΩ 1/16W D	
R3655	NRSA6AD-271W	MG RESISTOR	270Ω 1/16W D	
R3656	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R3657	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3658	NRSA6AD-102W	MG RESISTOR	1kΩ 1/16W D	
R3659	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3660	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3665	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R3666	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3667	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3668	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3669	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3670	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3671	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3672	NRSA6AJ-122W	MG RESISTOR	1.2kΩ 1/16W J	
R3673	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R3674	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R3675	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R3676	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3677	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3678	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3679	NRSA6AJ-122W	MG RESISTOR	1.2kΩ 1/16W J	
R3680	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R3701	NRSA6AJ-680W	MG RESISTOR	68Ω 1/16W J	
R3702	NRSA6AJ-680W	MG RESISTOR	68Ω 1/16W J	
R3703	NRSA6AJ-680W	MG RESISTOR	68Ω 1/16W J	
R3704	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3705	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3707	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R3708	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R3709	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3802	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3803	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3804	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3805	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R3806	NRSA6AD-391W	MG RESISTOR	390Ω 1/16W D	
R3807	NRSA6AD-303W	MG RESISTOR	30kΩ 1/16W D	
R3808	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R3809	NRSA6AD-391W	MG RESISTOR	390Ω 1/16W D	
R3811	NRSA6AJ-131W	MG RESISTOR	130Ω 1/16W J	
R3812	NRSA6AJ-131W	MG RESISTOR	130Ω 1/16W J	
R3813	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3814	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R3815	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R3816	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3817	NRSA6AD-750W	MG RESISTOR	75Ω 1/16W D	
R3818	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R3819	NRSA6AD-750W	MG RESISTOR	75Ω 1/16W D	
R3820	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R3821	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R3822	NRSA6AD-750W	MG RESISTOR	75Ω 1/16W D	
R3825	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3851	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R3852	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3853	NRSA6AJ-561W	MG RESISTOR	560Ω 1/16W J	
R3854	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R3855	NRSA6AJ-182W	MG RESISTOR	1.8kΩ 1/16W J	
R3856	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R3857	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R3858	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R3859	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R3860	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R3861	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3862	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R3863	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R3864	NRSA6AJ-561W	MG RESISTOR	560Ω 1/16W J	
R3865	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R3866	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3867	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3868	NRSA6AJ-474W	MG RESISTOR	470kΩ 1/16W J	
R4202	NRSA6AJ-510W	MG RESISTOR	51Ω 1/16W J	
R4203	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R4204	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4205	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R4301	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4303	NRSA6AJ-301W	MG RESISTOR	300Ω 1/16W J	
R4304	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4305	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4306	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4308	NRSA6AJ-301W	MG RESISTOR	300Ω 1/16W J	
R4310	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4311	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4312	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4313	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4314	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4315	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4316	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4317	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4318	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4319	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5001	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5002	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5003	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5004	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5005	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5006	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5007	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R5010	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5012	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5013	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5014	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5017	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R8001	NRSA6AJ-5R6W	MG RESISTOR	5.6Ω 1/16W J	
R8002	NRSA6AJ-5R6W	MG RESISTOR	5.6Ω 1/16W J	
R8004	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R8005	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R8006	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R8007	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8008	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8009	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8010	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8013	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R8014	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R8016	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R8017	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8018	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8019	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8020	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8021	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8022	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8023	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8024	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R8025	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8026	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8027	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8028	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8029	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8030	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8031	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8034	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8041	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8042	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8043	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8044	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8045	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8046	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8047	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8048	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8049	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8050	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8051	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8052	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8053	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8054	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8055	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8056	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8057	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8058	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8059	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8060	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8063	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8064	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R8065	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8066	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8067	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8068	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8070	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8072	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8078	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R8079	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8080	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R8081	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R8082	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R8083	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R8084	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R8085	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R8086	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R8088	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R8090	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8091	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R8092	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R8093	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R8094	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R8095	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R8096	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R8201	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R8202	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8203	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8302	NRS181J-220X	MG RESISTOR	22Ω 1/8W J	
R8303	NRS181J-220X	MG RESISTOR	22Ω 1/8W J	
R8305	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R8306	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R8307	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R8309	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R8310	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R8311	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R8312	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R8504	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R8507	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R8508	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R8801	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8802	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8804	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R8806	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R8807	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R8808	NRSA6AJ-394W	MG RESISTOR	390kΩ 1/16W J	
R8809	NRSA6AD-560W	MG RESISTOR	56Ω 1/16W D	
R8810	NRSA6AD-560W	MG RESISTOR	56Ω 1/16W D	
R8811	NRSA6AD-560W	MG RESISTOR	56Ω 1/16W D	
R8812	NRSA6AD-560W	MG RESISTOR	56Ω 1/16W D	
R8813	NRSA6AD-512W	MG RESISTOR	5.1kΩ 1/16W D	
R8818	NRSA6AD-751W	MG RESISTOR	750Ω 1/16W D	
R8819	NRSA6AD-562W	MG RESISTOR	5.6kΩ 1/16W D	
R8820	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R8821	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R9902	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R9903	NRSA6AJ-182W	MG RESISTOR	1.8kΩ 1/16W J	
R9904	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R9905	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J	
RA1005	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1006	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1008	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
RA1009	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
RA1010	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
RA3001	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	
RA3002	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
RA3003	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
RA3004	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA3005	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA3006	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA3201	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA3202	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA3203	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA3204	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA3205	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA3601	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
RA3602	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
RA3603	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
RA3604	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
RA4201	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
RA4202	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
RA4301	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
RA4302	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
RA8002	NRZ0052-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8003	NRZ0052-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8004	NRZ0052-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8005	NRZ0052-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8006	NRZ0052-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8007	NRZ0052-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8008	NRZ0052-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8009	NRZ0052-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8010	NRZ0052-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8011	NRZ0052-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8012	NRZ0052-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8801	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
RA8802	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
L1002	NQR0006-001X	FERRITE BEADS		
L2101	NQR0129-002X	FERRITE BEADS		
L3001	NQR0129-002X	FERRITE BEADS		
L3002	NQR0006-001X	FERRITE BEADS		
L3003	NQL38DK-100X	P COIL	10uH K	
L3004	NQR0006-001X	FERRITE BEADS		
L3005	NQR0129-002X	FERRITE BEADS		
L3006	NQL085J-120X	COIL	12uH J	
L3201	NQR0129-002X	FERRITE BEADS		
L3202	NQR0129-002X	FERRITE BEADS		
L3204	NQR0006-001X	FERRITE BEADS		
L3206	NQR0129-002X	FERRITE BEADS		
L3207	NQL085J-2R2X	COIL	2.2uH J	
L3601	NQR0129-002X	FERRITE BEADS		
L3602	NQR0006-001X	FERRITE BEADS		
L3603	NQL38DK-100X	P COIL	10uH K	
L3651	NQL38DK-100X	P COIL	10uH K	
L3652	NQL085J-2R2X	COIL	2.2uH J	
L3653	NQL085J-4R7X	COIL	4.7uH J	
L3654	NQL085J-1R0X	COIL	1uH J	
L3655	NQL085J-2R2X	COIL	2.2uH J	
L3701	NQL38DK-100X	P COIL	10uH K	
L3802	NQR0129-002X	FERRITE BEADS		
L3803	NQR0006-001X	FERRITE BEADS		
L3804	NQL38DK-100X	P COIL	10uH K	
L3851	NQL085J-6R8X	COIL	6.8uH J	
L3852	NQL085J-6R8X	COIL	6.8uH J	
L3853	NQL38DK-100X	P COIL	10uH K	
L4201	NQL402M-100X	COIL	10uH M	
L4301	NQR0006-001X	FERRITE BEADS		
L4302	NQR0129-002X	FERRITE BEADS		
L4303	NQR0129-002X	FERRITE BEADS		
L4304	NQR0129-002X	FERRITE BEADS		
L5001	NQL045K-100X	COIL	10uH K	
L5004	NQL045K-100X	COIL	10uH K	
L5005	NQR0129-002X	FERRITE BEADS		
L5006	NQL045K-100X	COIL	10uH K	
L5007	NQR0129-002X	FERRITE BEADS		
L8001	NQR0006-001X	FERRITE BEADS		
L8004	NQR0339-002X	FERRITE BEADS		
L8005	NQR0339-002X	FERRITE BEADS		
L8006	NQR0006-001X	FERRITE BEADS		
L8007	NQL085J-2R2X	COIL	2.2uH J	
L8008	NQL085J-2R2X	COIL	2.2uH J	
L8009	NQR0006-001X	FERRITE BEADS		
L8201	NQR0006-001X	FERRITE BEADS		
L8203	NQR0339-002X	FERRITE BEADS		
L8204	NQR0339-002X	FERRITE BEADS		
L8301	NQR0129-002X	FERRITE BEADS		
L8501	NQR0129-002X	FERRITE BEADS		
L8801	NQR0129-002X	FERRITE BEADS		
L8802	NQR0006-001X	FERRITE BEADS		
L8803	NQR0383-003X	CHOKE COIL		
L8804	NQR0383-003X	CHOKE COIL		
CN101	QGB0403L2-F0X	CONNECTOR	B-B (1-150)	
CN102	QGF0507F3-24X	CONNECTOR	FFC/FPC (1-24)	
CN103	QGA1002F1-02X	CONNECTOR	W-B (1-2)	
CN104	QGF0503C1-18X	CONNECTOR	FFC/FPC (1-18)	
CN105	QGF0507F3-14X	CONNECTOR	FFC/FPC (1-14)	
CN106	QGA1002F1-06X	CONNECTOR	W-B (1-6)	

⚠ Symbol No.	Part No.	Part Name	Description	Local
CN107	QGA0803F1-22W	CONNECTOR	W-B (1-22)	
CN108	QGA1002F1-06X	CONNECTOR	W-B (1-6)	
CN109	QGF0503F3-16X	CONNECTOR	FFC/FPC (1-16)	
CN110	QGB0801M1-30X	CONNECTOR	B-B (1-30)	
J101	NNZ0041-001X	D CONNECTOR	IEEE1394(4pin)	
J5001	YU40017-035-4	THIN WIRE IC4202-C5014		
J5002	YU40017-015-3	THIN WIRE L5002-L5003		
TP101	NNZ0094-001X	EARTH TERMINAL		
TP102	NNZ0094-001X	EARTH TERMINAL		
X1001	NAX0620-001X	C RESONATOR		
X3001	NAX0480-001X	CRYSTAL	24.576MHz	
X3201	NAX0485-001X	VCXO		
X4301	NAX0587-001X	CXO		
X8301	NAX0522-001X	C RESONATOR	6.000MHz	
OT1	LY30030-0C5A	SPACER(A)	DV	
OT2	LY30030-0C6A	SPACER(A)	JCY0180	
OT3	LY30029-0V6A	SPACER(A)	JCY0178	
SD1	LY33105-001A	SHIELD CASE(L)		
WR1	WJT0098-001A	E-CARD WIRE CN109-REAR CN602		
WR2	YU40017-015-1	THIN WIRE L3205-L3801		

ANALOG BOARD ASSEMBLY <02>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10408A-03	ANALOG BOARD ASSY		
IC201	RS5C314-X	IC		
IC1301	NJM2143R-X	IC		
IC1401	UPD703040YF-M22	IC(MICRO C ROM)		
IC1401 or	UPD70F3040YFM22	IC		
IC2201	AK4564VQ	IC		
IC3101	BU2501FV-X	IC		
IC4802	NJM2143R-X	IC		
IC4803	NJM2143R-X	IC		
IC4804	LM358DR2-X	IC		
IC4804 or	BA10358F-XE	IC		
IC4851	UPD16879GS-X	IC		
IC5801	NJM2143R-X	IC		
IC5802	NJM2143R-X	IC		
IC5803	NJM3414AV-X	IC		
IC5804	NJM3414AV-X	IC		
IC5805	BA10324AFV-XE	QFP IC		
IC5806	LM358DR2-X	IC		
IC5806 or	BA10358F-XE	IC		
IC5901	NJU7016R-X	IC		
IC6001	S-80842CNNB-W	IC		
IC6001 or	IC-PST3442U-W	IC		
IC6002	R1224N102G-X	IC		
IC6101	BD9713KV	IC		
IC6102	MM1612FN-X	IC		
IC6103	BD3987FV-X	IC		
Q1401	DTA114EE-X	DIGI TRANSISTOR		
Q1401 or	PDTA114EE-X	DIGI TRANSISTOR		
Q1401 or	UN9111J-X	DIGI TRANSISTOR		
Q1402	UMC3N-W	DIGI TRANSISTOR		
Q1403	UMC3N-W	DIGI TRANSISTOR		
Q2202	DTC144EE-X	DIGI TRANSISTOR		
Q2202 or	UN9213J-X	DIGI TRANSISTOR		
Q2202 or	PDTC144EE-X	DIGI TRANSISTOR		
Q2401	2SC4617/QR/-X	TRANSISTOR		
Q2403	2SC4617/QR/-X	TRANSISTOR		
Q4801	2SC4655/BC/-X	TRANSISTOR		
Q4806	2SC4617/RS/-X	TRANSISTOR		
Q4851	2SC4617/RS/-X	TRANSISTOR		
Q5801	UMX1N-W	PAIR TRANSISTOR		
Q6001	MCH3308-X	MOS FET		
Q6002	2SK3019-X	MOS FET		
Q6003	MCH6613-W	MOS FET		
Q6004	DTC144EE-X	DIGI TRANSISTOR		
Q6004 or	PDTC144EE-X	DIGI TRANSISTOR		
Q6004 or	UN9213J-X	DIGI TRANSISTOR		
Q6005	FML9-W	TRANSISTOR		
Q6101	CPH3314-X	MOS FET		
Q6102	QS6U24-W	MOS FET		
Q6103	QS6U24-W	MOS FET		
Q6104	QS6U24-W	MOS FET		
Q6105	QS6U24-W	MOS FET		
Q6106	CPH3314-X	MOS FET		
Q6107	CPH3314-X	MOS FET		
⚠ D6001	RB715F-X	SB DIODE		
D6101	RB521S-30-X	SB DIODE		
D6102	RB480Y-W	SB DIODE		
D6103	RB480Y-W	SB DIODE		
D6104	CRS06-X	SB DIODE		
D6105	CRS06-X	SB DIODE		
C201	NDCA1HJ-120W	C CAPACITOR	12pF 50V J	
C1301	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1302	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C1303	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C1311	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1312	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1313	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1314	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1401	NDCA1HJ-100W	C CAPACITOR	10pF 50V J	
C1402	NDCA1HJ-270W	C CAPACITOR	27pF 50V J	
C1403	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1404	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1405	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1406	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1407	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1409	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1410	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1411	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1412	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C1413	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C1414	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C1415	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C1416	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1417	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1418	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C2201	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2202	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2205	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2206	NBE20GM-476X	TA E CAPACITOR	47uF 4V M	
C2207	NBE20GM-476X	TA E CAPACITOR	47uF 4V M	
C2209	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2210	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2211	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2212	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2213	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2214	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2215	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2216	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2217	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2218	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2223	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2224	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2401	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2402	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2403	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2404	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2405	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2406	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2603	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C2604	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C2605	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C2606	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C2607	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C2608	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C2609	NCBA1HK-332W	C CAPACITOR	3300pF 50V K	
C2610	NCBA1HK-332W	C CAPACITOR	3300pF 50V K	
C2611	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2612	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2613	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2614	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C2615	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C3101	NBE20GM-226X	TA E CAPACITOR	22uF 4V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C3102	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4803	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4804	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4806	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4807	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4808	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4809	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4810	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4811	NCBA1HK-152W	C CAPACITOR	1500pF 50V K	
C4812	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4813	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4814	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4815	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C4819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4820	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4822	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4851	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4852	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4853	NBE21AM-335X	TA E CAPACITOR	3.3uF 10V M	
C4854	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C4855	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4858	NDCA1HJ-680W	C CAPACITOR	68pF 50V J	
C4859	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C4860	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C4861	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4862	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4864	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4865	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C5801	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C5802	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C5803	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C5804	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5805	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5811	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5812	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5813	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5814	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5816	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5817	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5818	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5819	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5820	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5821	NCBA1HK-152W	C CAPACITOR	1500pF 50V K	
C5822	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5823	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5825	NCBA1HK-152W	C CAPACITOR	1500pF 50V K	
C5826	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5827	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5829	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C5830	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C5831	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5834	NCBA0JK-224W	C CAPACITOR	0.22uF 6.3V K	
C5835	NCBA0JK-224W	C CAPACITOR	0.22uF 6.3V K	
C5836	NCBA0JK-224W	C CAPACITOR	0.22uF 6.3V K	
C5837	NCBA0JK-224W	C CAPACITOR	0.22uF 6.3V K	
C5901	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C5902	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C5903	NCBA1HK-331W	C CAPACITOR	330pF 50V K	
C5904	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C5905	NDCA1HJ-151W	C CAPACITOR	150pF 50V J	
C5906	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C5907	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C5908	NCBA1HK-331W	C CAPACITOR	330pF 50V K	
C5909	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C5910	NDCA1HJ-151W	C CAPACITOR	150pF 50V J	
C5911	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5912	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6001	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6002	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6003	NBP21CM-685X	TA E CAPACITOR	6.8uF 16V M	
C6005	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C6007	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6009	NDCA1HJ-151W	C CAPACITOR	150pF 50V J	
C6101	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6102	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6103	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C6104	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C6105	NCBA1HK-561W	C CAPACITOR	560pF 50V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C6106	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C6107	NCBA1HK-561W	C CAPACITOR	560pF 50V K	
C6108	NBP21CM-685X	TA E CAPACITOR	6.8uF 16V M	
C6109	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6110	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C6111	NDCA1HJ-150W	C CAPACITOR	15pF 50V J	
C6112	NCBA1HK-272W	C CAPACITOR	2700pF 50V K	
C6113	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6114	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C6115	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C6117	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6118	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6119	NCBA1HK-122W	C CAPACITOR	1200pF 50V K	
C6120	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6121	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C6122	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C6123	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C6124	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6125	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6126	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6127	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6128	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6129	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6130	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6131	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6132	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6133	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6134	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6135	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6137	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C6138	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6139	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6140	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6141	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6142	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6143	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6144	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6145	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6146	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6147	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6148	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6149	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6150	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6151	QEXA1CM-107	E CAPACITOR	100uF 16V M	
R201	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R202	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R203	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R204	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1301	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R1302	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1304	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R1305	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R1307	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1308	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1309	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1401	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R1402	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1403	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1404	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1405	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1406	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1407	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1408	NRSA6AD-753W	MG RESISTOR	75kΩ 1/16W D	
R1409	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
R1411	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1412	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1413	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1414	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1415	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1416	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1417	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R1418	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1419	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1420	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1423	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1424	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1425	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1426	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1427	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R1428	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1430	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1431	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1432	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1433	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1434	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R1435	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R1437	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R1438	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R2201	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R2202	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2203	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J	
R2204	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
R2206	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R2207	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R2208	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2209	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2210	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2211	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2212	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω 1/16W J	
R2213	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω 1/16W J	
R2217	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R2219	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2220	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2221	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2225	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2226	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2227	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2228	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2231	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R2233	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R2234	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R2401	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2402	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2403	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R2406	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2407	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R2601	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2602	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2603	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2604	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2607	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2608	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2609	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2610	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2611	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2612	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2701	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R2702	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R2703	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2704	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2706	NRSA6AJ-391W	MG RESISTOR	390Ω 1/16W J	
R2707	NRSA6AJ-391W	MG RESISTOR	390Ω 1/16W J	
R2708	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R2709	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R2711	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R4804	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R4805	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4806	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R4807	NRSA6AJ-563W	MG RESISTOR	56kΩ 1/16W J	
R4808	NRSA6AJ-243W	MG RESISTOR	24kΩ 1/16W J	
R4809	NRSA6AJ-122W	MG RESISTOR	1.2kΩ 1/16W J	
R4810	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4811	NRSA6AJ-684W	MG RESISTOR	680kΩ 1/16W J	
R4812	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R4814	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R4815	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R4816	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R4817	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
R4818	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R4819	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4820	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R4821	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R4822	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R4823	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4824	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R4827	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4828	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4833	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R4836	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4837	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4841	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4842	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4843	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4844	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R4846	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4854	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4856	NRSA63J-6R8X	MG RESISTOR	6.8Ω 1/16W J	
R4857	NRSA63J-6R8X	MG RESISTOR	6.8Ω 1/16W J	
R4858	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R4859	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4860	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4862	NRSA63J-6R8X	MG RESISTOR	6.8Ω 1/16W J	
R4863	NRSA63J-6R8X	MG RESISTOR	6.8Ω 1/16W J	
R4864	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4865	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4866	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4867	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4868	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4870	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J	
R4871	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4874	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5801	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R5802	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R5803	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R5804	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5805	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R5806	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R5807	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R5808	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5809	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R5810	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R5811	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R5812	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R5813	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R5814	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R5815	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R5816	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5817	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5818	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5819	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5820	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5821	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5822	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5823	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5824	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5825	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5826	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R5827	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J	
R5828	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R5829	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5831	NRSA6AJ-274W	MG RESISTOR	270kΩ 1/16W J	
R5834	NRSA6AJ-184W	MG RESISTOR	180kΩ 1/16W J	
R5835	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R5836	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J	
R5837	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R5838	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5840	NRSA6AJ-274W	MG RESISTOR	270kΩ 1/16W J	
R5843	NRSA6AJ-184W	MG RESISTOR	180kΩ 1/16W J	
R5845	NRSA6AJ-221W	MG RESISTOR	220Ω 1/16W J	
R5846	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R5847	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R5848	NRSA6AJ-221W	MG RESISTOR	220Ω 1/16W J	
R5850	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R5851	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R5852	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R5853	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R5854	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5856	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5859	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5861	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5862	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5864	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5865	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R5866	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5868	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5869	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5870	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R5871	NRSA6AJ-270W	MG RESISTOR	27Ω 1/16W J	
R5872	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R5873	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R5874	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R5875	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R5876	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R5877	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R5881	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5882	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5883	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5884	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5885	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5886	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5887	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5888	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5889	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5890	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5892	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5893	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5896	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5897	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5901	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R5902	NRSA6AJ-474W	MG RESISTOR	470kΩ 1/16W J	
R5903	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R5904	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R5905	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R5906	NRSA6AJ-474W	MG RESISTOR	470kΩ 1/16W J	
R5907	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R5908	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R5909	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5910	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5911	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R5912	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6001	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R6002	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R6003	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R6004	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6005	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R6006	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R6007	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
⚠ R6008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6010	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R6011	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R6013	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R6101	NRSA6AD-302W	MG RESISTOR	3kΩ 1/16W D	
R6102	NRSA6AD-243W	MG RESISTOR	24kΩ 1/16W D	
R6103	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R6104	NRSA6AD-163W	MG RESISTOR	16kΩ 1/16W D	
R6105	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R6106	NRSA6AD-513W	MG RESISTOR	51kΩ 1/16W D	
R6107	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R6108	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R6109	NRSA6AD-223W	MG RESISTOR	22kΩ 1/16W D	
R6111	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R6112	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R6113	NRSA6AD-562W	MG RESISTOR	5.6kΩ 1/16W D	
R6114	NRSA6AD-473W	MG RESISTOR	47kΩ 1/16W D	
R6115	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6116	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R6117	NRVA6AD-683W	CMF RESISTOR	68kΩ 1/16W D	
R6119	NRVA6AD-752W	CMF RESISTOR	7.5kΩ 1/16W D	
R6120	NRVA6AD-473W	CMF RESISTOR	47kΩ 1/16W D	
R6121	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6122	NRSA6AD-433W	MG RESISTOR	43kΩ 1/16W D	
R6123	NRSA6AD-433W	MG RESISTOR	43kΩ 1/16W D	
R6125	NRSA6AD-183W	MG RESISTOR	18kΩ 1/16W D	
R6126	NRSA6AD-183W	MG RESISTOR	18kΩ 1/16W D	
R6127	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R6128	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6129	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6130	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6131	NRSA6AD-273W	MG RESISTOR	27kΩ 1/16W D	
R6132	NRSA6AD-473W	MG RESISTOR	47kΩ 1/16W D	
R6133	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6134	NRSA6AD-104W	MG RESISTOR	100kΩ 1/16W D	
R6135	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R6136	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R6137	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6138	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6139	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6141	NRSA6AD-822W	MG RESISTOR	8.2kΩ 1/16W D	
R6142	NRSA6AD-623W	MG RESISTOR	62kΩ 1/16W D	
R6143	NRSA6AD-393W	MG RESISTOR	39kΩ 1/16W D	
R6144	NRSA6AD-822W	MG RESISTOR	8.2kΩ 1/16W D	
R6146	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R7301	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7302	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7303	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
RA1401	NRZ0034-473W	NET RESISTOR	47kΩ 1/32W J	
RA1402	NRZ0034-331W	NET RESISTOR	330Ω 1/32W J	
RA1403	NRZ0034-331W	NET RESISTOR	330Ω 1/32W J	
RA1404	NRZ0034-331W	NET RESISTOR	330Ω 1/32W J	
RA1405	NRZ0034-331W	NET RESISTOR	330Ω 1/32W J	
L1301	NQL402M-100X	COIL	10uH M	
L1401	NQR0006-001X	FERRITE BEADS		
L2401	NQL402M-100X	COIL	10uH M	
L2402	NQL402M-100X	COIL	10uH M	
L2601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L3101	NQL38DK-100X	P COIL	10uH K	
L4802	NQL302N-100X	COIL	10uH N	
L4851	NQR0129-002X	FERRITE BEADS		
L4852	NQL315K-100X	COIL	10uH K	
L4853	NQL315K-100X	COIL	10uH K	
L5801	NQL302N-100X	COIL	10uH N	
L5802	NQL302N-100X	COIL	10uH N	
L5901	NQL38DK-100X	P COIL	10uH K	
L6001	NQL62EM-470X	COIL	47uH M	
L6101	NQL64EM-4R7X	COIL	4.7uH M	
L6102	NQL64EM-4R7X	COIL	4.7uH M	
L6103	NQL64EM-330X	COIL	33uH M	
L6104	NQL64EM-330X	COIL	33uH M	
L6105	NQL64EM-470X	COIL	47uH M	
L6106	NQL64EM-470X	COIL	47uH M	
L6107	NQL64EM-330X	COIL	33uH M	
L6108	NQL144K-220X	P COIL	22uH K	
L6109	NQLZ011-221X	COIL	220uH M	
L6110	NQLZ010-220X	COIL	22uH	
L6111	NQL315K-100X	COIL	10uH K	
⚠ BT6001	QAB0025-001	LITHIUM BATTERY	CR2032/1F4 3V 220mAh	
CN201	QGB0403L2-F0X	CONNECTOR	B-B (1-150)	
CN202	QGF0503C1-26V	CONNECTOR	FFC/FPC (1-26)	
CN203	QGF0503C1-12V	CONNECTOR	FFC/FPC (1-12)	
CN205	QGF0503C1-10V	CONNECTOR	FFC/FPC (1-10)	
CN206	QGF0503C1-10V	CONNECTOR	FFC/FPC (1-10)	
CN207	QGA1002C1-06X	CONNECTOR	W-B (1-6)	
CN208	QGA1002C1-06X	CONNECTOR	W-B (1-6)	
CN209	QGF0301F1-51X	CONNECTOR	FFC/FPC (1-51)	
CN210	QGA1002C1-05X	CONNECTOR	W-B (1-5)	
CN211	QGA0803F1-20W	CONNECTOR	W-B (1-20)	
CN212	QGA0803F1-15W	CONNECTOR	W-B (1-15)	
CN213	QGA0803F1-14W	CONNECTOR	W-B (1-14)	
CN214	QGA1002F1-06X	CONNECTOR	W-B (1-6)	
CN215	QGF0517F1-08X	CONNECTOR	FFC/FPC (1-8)	
⚠ F6001	NMFZ007-R50X-K	FUSE	0.5A 50V	
⚠ F6101	NMFZ007-2R5X-K	FUSE	2.5A 24V	
⚠ F6102	NMFZ007-1R0X-K	FUSE	1A 32V	
⚠ F6103	NMFZ007-R20X-K	FUSE	0.2A 50V	
⚠ F6104	NMFZ007-R50X-K	FUSE	0.5A 50V	
⚠ F6105	NMFZ007-R50X-K	FUSE	0.5A 50V	
X201	NAX0564-001X	CRYSTAL		
X1401	NAX0175-001X	CRYSTAL	16.000MHz	
OT1	LY30030-0C4A	SPACER(A)	LITHIUM	
OT2	LY30030-0P4A	SPACER(A)	C6151	
WR1	LY44304-001A	FPC ASSY(OPE P) CN209-MON/OP CN301		
WR1A	QAL0471-001	FPC		
WR1B	QQR1402-001	FERRITE CORE		
WR2	WJJ0370-001A	E-SI C WIRE C-C CN208-DIGITAL CN108		

⚠ Symbol No.	Part No.	Part Name	Description	Local
WR3	WJJ0370-001A	E-SI C WIRE C-C CN214-REAR CN601		
WR4	QUQ505-0803AA	FFC WIRE CN215-REAR CN603		
WR5	YU40017-030-8	THIN WIRE C6151-L6102		
WR6	YU40017-020-4	THIN WIRE C6151-C6101		
PW2	YB20961A-SS	RTH SUB BOARD ASSY		
R6148	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
TH6101	NAD0025-474X	N THERMISTOR	470kΩ	
OT6101	LP40488-005A	500 SPACER		
WR6101	YU40017-015-3	THIN WIRE TL1-C6110		
WR6102	YU40017-020-4	THIN WIRE TL2-C6008		

CCD BOARD ASSEMBLY <03>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10409A-02	CCD BOARD ASSY		
Q5201	2SC4082/P/-X	TRANSISTOR		
Q5202	2SC4083/P/-X	TRANSISTOR		
C5201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5202	NBE41AM-106X	TA E CAPACITOR	10uF 10V M	
C5203	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C5204	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	
C5205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5207	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C5208	NBZ0018-106X	TA E CAPACITOR	10uF	
C5209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5210	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
R5201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5202	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R5203	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R5204	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
WR1	WJR0029-001A	E-SH C WIRE C-F R5204/GND-DIGITAL CN103		

PREMDA BOARD ASSEMBLY <04>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10411A-04	PREMDA BOARD ASSY		
IC1601	BD6637KS	IC		
IC1701	NJM2143R-X	IC		
IC1702	NJM2407R-W	IC		
IC3501	JCY0132	IC		
IC3502	SN74AHC1G04K-X	IC		
Q1601	UMC3N-W	DIGI TRANSISTOR		
D1602	DAP222-X	DIODE ARRAY		
D1602 or	MA132WA-X	SI DIODE		
D1603	DAP222-X	DIODE ARRAY		
D1603 or	MA132WA-X	SI DIODE		
D1604	DAP222-X	DIODE ARRAY		
D1604 or	MA132WA-X	SI DIODE		
C1601	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1602	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1603	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1606	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1607	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C1614	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1618	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1619	NCB31HK-222X	C CAPACITOR	2200pF 50V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C1620	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1621	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1622	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C1623	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C1624	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1625	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C1626	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C1627	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C1628	NCB21CK-224X	C CAPACITOR	0.22uF 16V K	
C1629	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
C1630	NCB21CK-334X	C CAPACITOR	0.33uF 16V K	
C1632	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1633	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
C1641	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
C1701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1702	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3501	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3502	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3503	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3504	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C3505	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C3506	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3507	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3508	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3509	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3510	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3511	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3514	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C3515	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C3516	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C3517	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3518	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3519	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3520	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3522	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3523	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3524	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3525	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3526	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3527	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3528	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3529	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3531	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
R1601	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1602	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1603	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1604	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1610	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1611	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1612	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1614	NRZ0072-R330X	MG RESISTOR	0.33Ω 1/4W F	
R1616	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R1617	NRZ0072-R330X	MG RESISTOR	0.33Ω 1/4W F	
R1620	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1621	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1624	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R1625	NRSA63D-361X	MG RESISTOR	360Ω 1/16W D	
R1629	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	
R1630	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1631	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1635	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1636	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1637	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R1643	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R1701	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1702	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1703	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1704	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1706	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1708	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1709	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1710	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1711	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1712	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3501	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3502	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3504	NRSA63D-241X	MG RESISTOR	240Ω 1/16W D	
R3505	NRSA63D-241X	MG RESISTOR	240Ω 1/16W D	
R3506	NRSA63D-241X	MG RESISTOR	240Ω 1/16W D	
R3507	NRSA63D-241X	MG RESISTOR	240Ω 1/16W D	
R3508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R3509	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R3510	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3511	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3513	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3514	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3515	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3591	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
L3501	NQR0129-002X	FERRITE BEADS		
L3502	NQL402M-100X	COIL	10uH M	
L3503	NQR0006-001X	FERRITE BEADS		
L3504	NQR0006-001X	FERRITE BEADS		
L3505	NQR0006-001X	FERRITE BEADS		
CN401	QGF0503F4-11X	CONNECTOR	FFC/FPC (1-11)	
CN402	QGF0517F1-08X	CONNECTOR	FFC/FPC (1-8)	
CN403	QGF0517F2-06X	CONNECTOR	FFC/FPC (1-6)	
CN404	QGF0508F1-11X	CONNECTOR	FFC/FPC (1-11)	
CN405	QGF0508F1-18X	CONNECTOR	FFC/FPC (1-18)	
CN406	QGF0517F2-16X	CONNECTOR	FFC/FPC (1-16)	
CN407	QGF0508F1-06X	CONNECTOR	FFC/FPC (1-6)	
CN408	QGF0507F3-08X	CONNECTOR	FFC/FPC (1-8)	
CN409	QGF0508F1-06X	CONNECTOR	FFC/FPC (1-6)	
CN410	QGA0803F1-22W	CONNECTOR	W-B (1-22)	
CN411	QGA1002F1-06X	CONNECTOR	W-B (1-6)	
CN412	QGA1002F1-05X	CONNECTOR	W-B (1-5)	
CN413	QGA0803F1-15W	CONNECTOR	W-B (1-15)	
CN414	QGA0803F1-20W	CONNECTOR	W-B (1-20)	
CN415	QGA0803F1-14W	CONNECTOR	W-B (1-14)	
OT1	LY30030-0D2A	SPACER(A)	14PIN (B)	
OT2	LY30030-0D3A	SPACER(A)	14PIN (T)	
OT3	LY30030-0D4A	SPACER(A)	SHIELD WIRE	
OT4	LY44223-001A	SPACER(SH.WIRE)	SHIELD WIRE	
OT5	LY30030-0D5A	SPACER(A)	GRIP WIRE (x2)	
OT6	LY30030-0S6A	SPACER(A)	GRIP WIRE	
SD1	LY33021-001A	S.COVER(P/R)		
WR1	WJA0034-001A	E-S ID WIRE CN401-DIGITAL CN107		
WR2	WJN0097-001A	E-SH C WIRE C-C CN411-DIGITAL CN106		
WR3	WJN0098-001A	E-SH C WIRE C-C CN412-ANALOG CN210		
WR4	WJA0036-001A	E-S ID WIRE CN413-ANALOG CN212		
WR5	WJA0035-001A	E-S ID WIRE CN414-ANALOG CN211		
WR6	WJA0037-001A	E-S ID WIRE CN415-ANALOG CN213		
WR7	WJV0075-001A	E-PRIMARY WIRE SD1-BKT(MECHA)ASSY		

CONNECT BOARD ASSEMBLY <05>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10410A-01	CONNECT BOARD ASSY		
CN501	QGB0403M1-F0X	CONNECTOR	B-B (1-150)	
CN502	QGB0403M1-F0X	CONNECTOR	B-B (1-150)	

MON/OPE BOARD ASSEMBLY <06>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10412A1-03	MON/OPE BOARD ASSY		
IC7101	CXA3272R	IC		
IC7102	AT25040N-10SC-X	IC		
IC7102 or	25LC040-I/SN-X	IC		
IC7201	CXA3582R	IC		
IC7202	MM1613AN-X	IC		
Q7101	2SA1577/QR/-X	TRANSISTOR		
Q7102	DTC144EE-X	DIGI TRANSISTOR		
Q7102 or	PDTC144EE-X	DIGI TRANSISTOR		
Q7102 or	UN9213J-X	DIGI TRANSISTOR		
Q7102 or	RN1104-X	DIGI TRANSISTOR		
Q7203	DTC144EE-X	DIGI TRANSISTOR		
Q7203 or	PDTC144EE-X	DIGI TRANSISTOR		
Q7203 or	UN9213J-X	DIGI TRANSISTOR		
Q7203 or	RN1104-X	DIGI TRANSISTOR		
Q7204	2SA1577/QR/-X	TRANSISTOR		
C7101	NBE91AM-335X	TA E CAPACITOR	3.3uF 10V M	
C7102	NCB31EK-682X	C CAPACITOR	6800pF 25V K	
C7106	NBP41EM-475X	TA E CAPACITOR	4.7uF 25V M	
C7107	NBE41AM-476X	TA E CAPACITOR	47uF 10V M	
C7108	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C7109	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C7110	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C7111	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C7115	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7116	NCBA1HK-222W	C CAPACITOR	2200pF 50V K	
C7117	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7118	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7119	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7120	NBP41EM-475X	TA E CAPACITOR	4.7uF 25V M	
C7121	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7122	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C7123	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7124	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C7125	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7128	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C7134	NBP41EM-475X	TA E CAPACITOR	4.7uF 25V M	
C7136	NDCA1HJ-390W	C CAPACITOR	39pF 50V J	
C7137	NDCA1HJ-390W	C CAPACITOR	39pF 50V J	
C7138	NDCA1HJ-390W	C CAPACITOR	39pF 50V J	
C7139	NDCA1HJ-390W	C CAPACITOR	39pF 50V J	
C7140	NDCA1HJ-390W	C CAPACITOR	39pF 50V J	
C7201	NBE41AM-476X	TA E CAPACITOR	47uF 10V M	
C7202	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7203	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7204	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7205	NBP41EM-475X	TA E CAPACITOR	4.7uF 25V M	
C7206	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7207	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C7209	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7210	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7211	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7213	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C7214	NBE91AM-335X	TA E CAPACITOR	3.3uF 10V M	
C7215	NCBA1EK-682W	C CAPACITOR	6800pF 25V K	
C7216	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7217	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7220	NBP41EM-475X	TA E CAPACITOR	4.7uF 25V M	
C7221	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7222	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C7223	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7224	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7225	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C7227	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C7228	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7229	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7231	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C7234	NDCA1HJ-390W	C CAPACITOR	39pF 50V J	
R7001	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R7002	NRSA6AJ-182W	MG RESISTOR	1.8kΩ 1/16W J	
R7003	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R7004	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J	
R7005	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R7006	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R7007	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R7008	NRSA6AJ-182W	MG RESISTOR	1.8kΩ 1/16W J	
R7009	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R7010	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R7011	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R7012	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R7013	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R7101	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7102	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7103	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7104	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R7105	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7107	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7108	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7109	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7112	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R7113	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R7114	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R7116	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R7117	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R7118	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R7119	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R7120	NRSA6AJ-560W	MG RESISTOR	56Ω 1/16W J	
R7121	NRSA6AJ-560W	MG RESISTOR	56Ω 1/16W J	
R7122	NRSA6AJ-560W	MG RESISTOR	56Ω 1/16W J	
R7123	NRSA6AJ-560W	MG RESISTOR	56Ω 1/16W J	
R7124	NRSA6AJ-560W	MG RESISTOR	56Ω 1/16W J	
R7201	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R7202	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R7203	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R7204	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R7214	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R7215	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7216	NRSA6AD-433W	MG RESISTOR	43kΩ 1/16W D	
R7217	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R7218	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7219	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7220	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7221	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7222	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R7224	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R7225	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R7226	NRSA6AJ-122W	MG RESISTOR	1.2kΩ 1/16W J	
R7227	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R7228	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R7230	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R7231	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
L7102	NQL315K-220X	COIL	22uH K	
L7103	NQL315K-220X	COIL	22uH K	
L7104	NQL315K-220X	COIL	22uH K	
L7201	NQL315K-220X	COIL	22uH K	
L7202	NQL315K-220X	COIL	22uH K	
L7203	NQL315K-220X	COIL	22uH K	
L7205	NQL315K-100X	COIL	10uH K	
CN301	QGF0301F1-51X	CONNECTOR	FFC/FPC (1-51)	
CN302	QGF0301F1-39X	CONNECTOR	FFC/FPC (1-39)	
CN303	QGF0507F3-22X	CONNECTOR	FFC/FPC (1-22)	
CN304	QGF0503F4-06X	CONNECTOR	FFC/FPC (1-6)	
CN305	QGA1001F1-02X	CONNECTOR	W-B (1-2)	
S7001	NSW0145-001X	TACT SWITCH STOP		
S7002	NSW0145-001X	TACT SWITCH REW		
S7003	NSW0145-001X	TACT SWITCH PLAY/PAUSE		
S7004	NSW0145-001X	TACT SWITCH FF		
S7005	NSW0203-001X	PUSH SWITCH P.AE		
S7006	NSW0203-001X	PUSH SWITCH S.A		
S7007	NSW0203-001X	PUSH SWITCH WHITE BALANCE		
S7008	NSW0145-001X	TACT SWITCH INDEX		
S7009	NSW0145-001X	TACT SWITCH INFO		
S7010	NSW0145-001X	TACT SWITCH NAVI		
S7011	NSW0145-001X	TACT SWITCH NAVI STORE		
S7012	NSW0145-001X	TACT SWITCH EFECT		
S7013	NSW0145-001X	TACT SWITCH FADE/WIPE		
S7014	NSW0145-001X	TACT SWITCH BLANK SEARCH		
S7015	NSW0135-001X	LEVER PUSH SWITCH MENU		
S7016	NSW0099-001X	SLIDE SWITCH DV/MPEG2		
S7017	NSW0099-001X	SLIDE SWITCH VIDEO/MEMOLY		
S7018	NSW0201-001X	PUSH SWITCH MONITOR SW		
OT1	LY30029-0S5A	SPACER(A)		C7120
SD1	LY33592-001A	SHIELD(UPPER)		
SD2	LY33593-001A	SHIELD(D-JACK)		

SW BOARD ASSEMBLY <07>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW2	YB10412A2-01	SW BOARD ASSY		
R2891	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R2892	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R2893	NRSA63D-563X	MG RESISTOR	56kΩ 1/16W D	
CN805	QGF0503F4-06X	CONNECTOR	FFC/FPC (1-6)	
S2891	NSW0150-001X	PUSH SWITCH		
S2892	NSW0150-001X	PUSH SWITCH		

MONI BL BOARD ASSEMBLY <08>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10413A-01	MONI BL BOARD ASSY		
Q7501	2SD1664/QR/-W	TRANSISTOR		
Q7502	2SD1664/QR/-W	TRANSISTOR		
Q7503	DTA144EE-X	DIGI TRANSISTOR		
Q7504	2SC4617/QR/-X	TRANSISTOR		
D7551	UDZ4.3B-X	Z DIODE		
D7552	UDZ2.7B-X	Z DIODE		
C7501	NCZ1016-120X	C CAPACITOR	12pF 2kV J	
C7503	NFV91HJ-333X	MPPS CAPACITOR	0.033uF 50V J	
C7504	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7505	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C7551	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C7552	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C7553	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C7555	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R7501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7551	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L7501	NQLZ010-680X	COIL	68uH	
L7502	NQLZ010-220X	COIL	22uH	
⚠ T7501	NQS0059-001X	SW TARNSF		
CN701	QGF0506F2-33X	CONNECTOR	FFC/FPC (1-33)	
CN702	QGF0503F1-24X	CONNECTOR	FFC/FPC (1-24)	
⚠ F7501	NMFZ007-R40X-K	FUSE	0.4A 50V	
OT1	LY44292-001A	EARTH SHEET		

VF BL BOARD ASSEMBLY <09>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10414A-01	VF BL BOARD ASSY		
Q7001	UMD3N-W	DIGI TRANSISTOR		
Q7001 or	XP4311-W	TRANSISTOR		
Q7002	PUMX1-W	PAIR TRANSISTOR		
Q7002 or	UMX1N-W	PAIR TRANSISTOR		
D7001	NSCW100A0/ST/-X	LED		

⚠ Symbol No.	Part No.	Part Name	Description	Local
C7001	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R7001	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7002	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R7003	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7005	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
CN703	QGF0517F2-20X	CONNECTOR	FFC/FPC (1-20)	
CN704	QGF0505F1-16X	CONNECTOR	FFC/FPC (1-16)	

EJECT BOARD ASSEMBLY <10>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	YB10415A1	EJECT BOARD ASSY		
IC1161	RS-171-X	IC(PHOTO SENSOR)		
D1161	SML-010LT-X	LED		
C1161	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
R1161	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
CN803	QGF0517F1-08X	CONNECTOR	FFC/FPC (1-8)	
S1601	NSW0150-001X	PUSH SWITCH EJECT SW		

MIC/WB BOARD ASSEMBLY <11>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW2	YB10415A2	MIC/WB BOARD ASSY		
Q1151	RPM-22PB	PHOTO TRANSISTOR		
C2651	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2652	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2653	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2654	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
R1151	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R1156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1158	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2651	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2652	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2653	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2654	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L1151	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2651	NQR0251-004X	FERRITE BEADS		
L2652	NQR0251-004X	FERRITE BEADS		
L2653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2661	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2662	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2663	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN901	QGF0503F4-10X	CONNECTOR	FFC/FPC (1-10)	
CN902	QGA1002F1-06X	CONNECTOR	W-B (1-6)	
CN903	QGA1001F1-04X	CONNECTOR	W-B (1-4)	
CN904	QGF0517F1-06X	CONNECTOR	FFC/FPC (1-6)	
CN905	QGF0517F2-06X	CONNECTOR	FFC/FPC (1-6)	
J901	QNS0147-003	3.5 JACK		
HD1	PQ40795-2-2	LED HOLDER		
WR1	WJN0099-001A	E-SH C WIRE C-C CN902-ANALOG CN207		
WR2	WJT0095-001A	E-CARD WIRE CN901-ANALOG CN206		

BOTTOM BOARD ASSEMBLY <12>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW3	YB10415A3	BOTTOM BOARD ASSY		
C2801	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2803	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2804	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R2801	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2802	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2803	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2804	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R2805	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2806	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2807	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2808	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2809	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2810	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2811	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
L2801	NQR0006-001X	FERRITE BEADS		
CN801	QGF0503F4-18X	CONNECTOR	FFC/FPC (1-18)	
CN802	NNZ0058-001X	SD CARD CONNECTOR		
S2801	NSW0203-001X	PUSH SWITCH FOCUS SW		
S2802	NSW0203-001X	PUSH SWITCH BLC SW		
WR1	WJT0096-001A	E-CARD WIRE CN801-DIGITAL CN104		

D4 BOARD ASSEMBLY <13>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW4	YB10415A4-02	D4 BOARD ASSY		
D3402	UDZS6.8B-X	Z DIODE		
D3402 or	MA8068-X	Z DIODE		
C3401	NBZ0002-227X	TA E CAPACITOR	220uF	
C3402	NBZ0002-227X	TA E CAPACITOR	220uF	
C3403	NBZ0002-227X	TA E CAPACITOR	220uF	
C3404	NBZ0002-227X	TA E CAPACITOR	220uF	
R3401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3402	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3403	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
CN806	QGF0517F1-14X	CONNECTOR	FFC/FPC (1-14)	
J801	QNZ0620-002	D CONNECTOR		
OT1	LY30030-0C2A	SPACER(A)	BOTTOM	
OT2	LY30030-0C3B	SPACER(A)	SIDE	
OT3	LY30030-0D6A	SPACER(A)	BOTTOM2	
PW4	YB10415A4-02	D4 BOARD ASSY		
WR1	QUQ105-1403AA	FFC WIRE CN806-DIGITAL CN105		

GYRO BOARD ASSEMBLY <14>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW5	YB10415A5	GYRO BOARD ASSY		
C5951	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C5953	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
R5951	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L5951	NQL045K-100X	COIL	10uH K	
CN804	QGF0507F3-10X	CONNECTOR	FFC/FPC (1-10)	
S5951	NSW0135-001X	LEVER PUSH SWITCH EXPOSURE SW		
OT1	LY30030-0P6A	SPACER(A)		
OT2	LY30030-0P7A	SPACER(A)	SWITCH KNOB	

REAR BOARD ASSEMBLY <15>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW6	YB10415A6-02	REAR BOARD ASSY		
Q2851	EMX1-W	TRANSISTOR		
Q2871	EMX18-W	TRANSISTOR		
C2851	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2852	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2871	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2872	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2881	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2882	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R2851	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2852	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R2853	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R2861	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2871	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2881	NRVA63D-823X	CMF RESISTOR	82kΩ 1/16W D	
R2882	NRVA63D-333X	CMF RESISTOR	33kΩ 1/16W D	
R2883	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2884	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2885	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2851	NQR0251-004X	FERRITE BEADS		
L2852	NQR0251-004X	FERRITE BEADS		
L2853	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2854	NQR0251-004X	FERRITE BEADS		
L2855	NQR0251-004X	FERRITE BEADS		
L2856	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2857	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2861	NQR0384-003X	CHOKE COIL		
L2871	NQR0251-004X	FERRITE BEADS		
L2872	NQR0251-004X	FERRITE BEADS		
CN601	QGA1002F1-06X	CONNECTOR	W-B (1-6)	
CN602	QGF0503F4-16X	CONNECTOR	FFC/FPC (1-16)	
CN603	QGF0503F4-08X	CONNECTOR	FFC/FPC (1-8)	
J601	QNA0035-001	DC JACK		
J602	QNS0012-001	3.5 JACK		
J603	QNZ0497-001	USB(B) CONNECTOR	USB(MINI-B)	
J604	NNZ0093-001X	M CONNECTOR		
OT1	LY44276-001A	SPACER(RGND)	PWB SILK	
OT2	LY44276-001A	SPACER(RGND)	TP607	
OT3	LY44276-001A	SPACER(RGND)	TP609	
OT4	LY30030-0P5A	SPACER(A)	AV JACK	

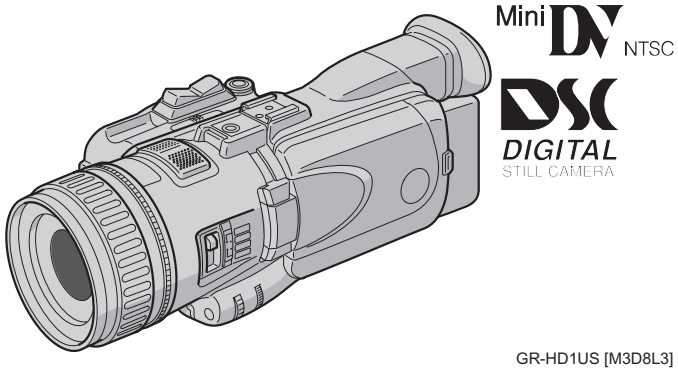
JVC

SCHEMATIC DIAGRAMS

DIGITAL HD VIDEO CAMERA

GR-HD1US

CD-ROM No.SML200306



GR-HD1US [M3D8L3]

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No.86772SCH
2003/5

CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components identified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ (1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in µF, (P: PF).
3) All inductance values are in µH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

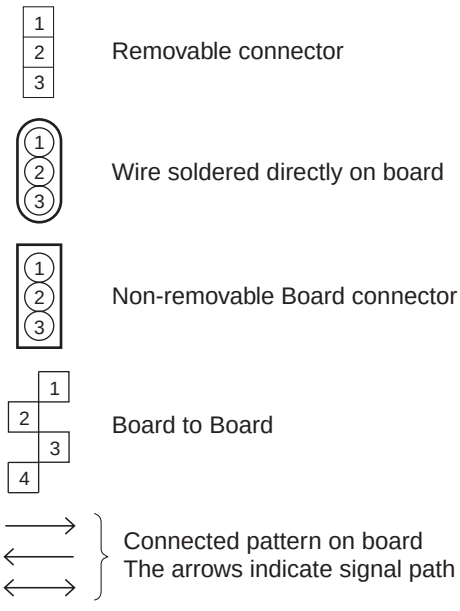
Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only. When replacing the parts, refer to the Parts List.

2. Indications of control voltage

AUX : Active at high.

$\overline{\text{AUX}}$ or AUX(L) : Active at low.

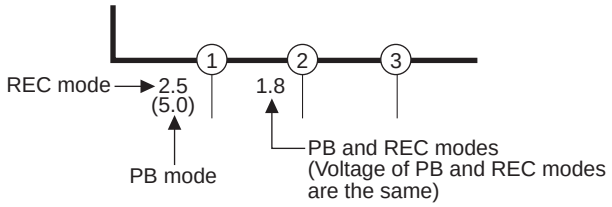
3. Interpreting Connector indications



Note: For the destination of each signal and further line connections that are cut off from the diagram, refer to "BOARD INTERCONNECTIONS"

4. Voltage measurement

1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
4) Indication on schematic diagram
   Voltage Indications for REC and PB mode on the schematic diagram are as shown below.

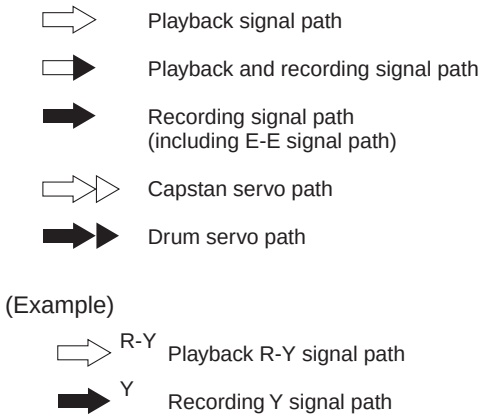


Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

5. Signal path Symbols

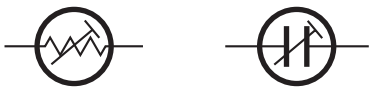
The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.



6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.

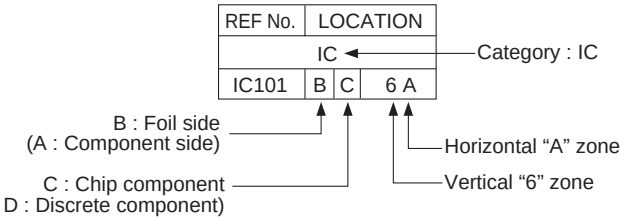
CIRCUIT BOARD NOTES

1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

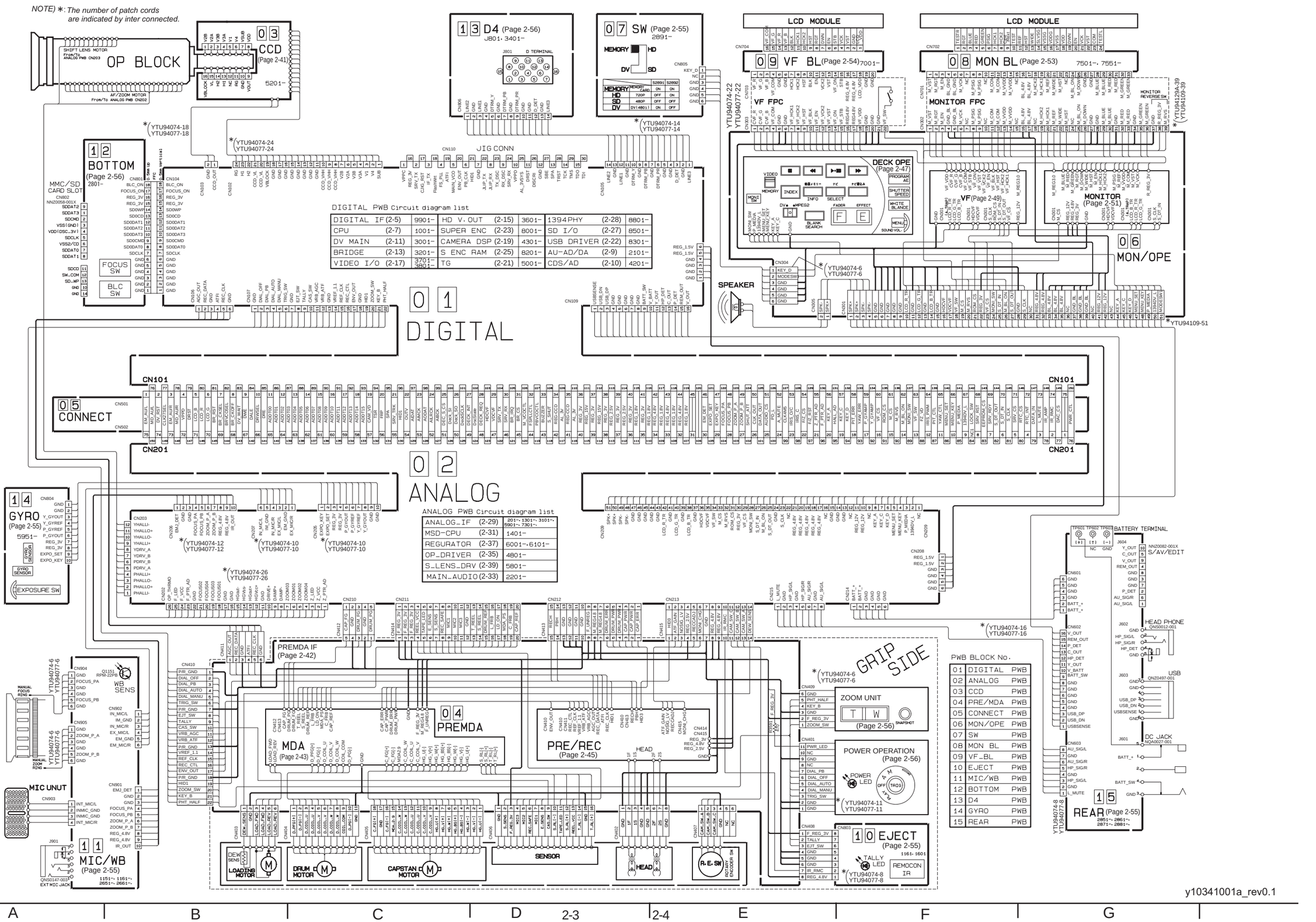
2. Parts location guides

Parts location are indicated by guide scale on the circuit board.

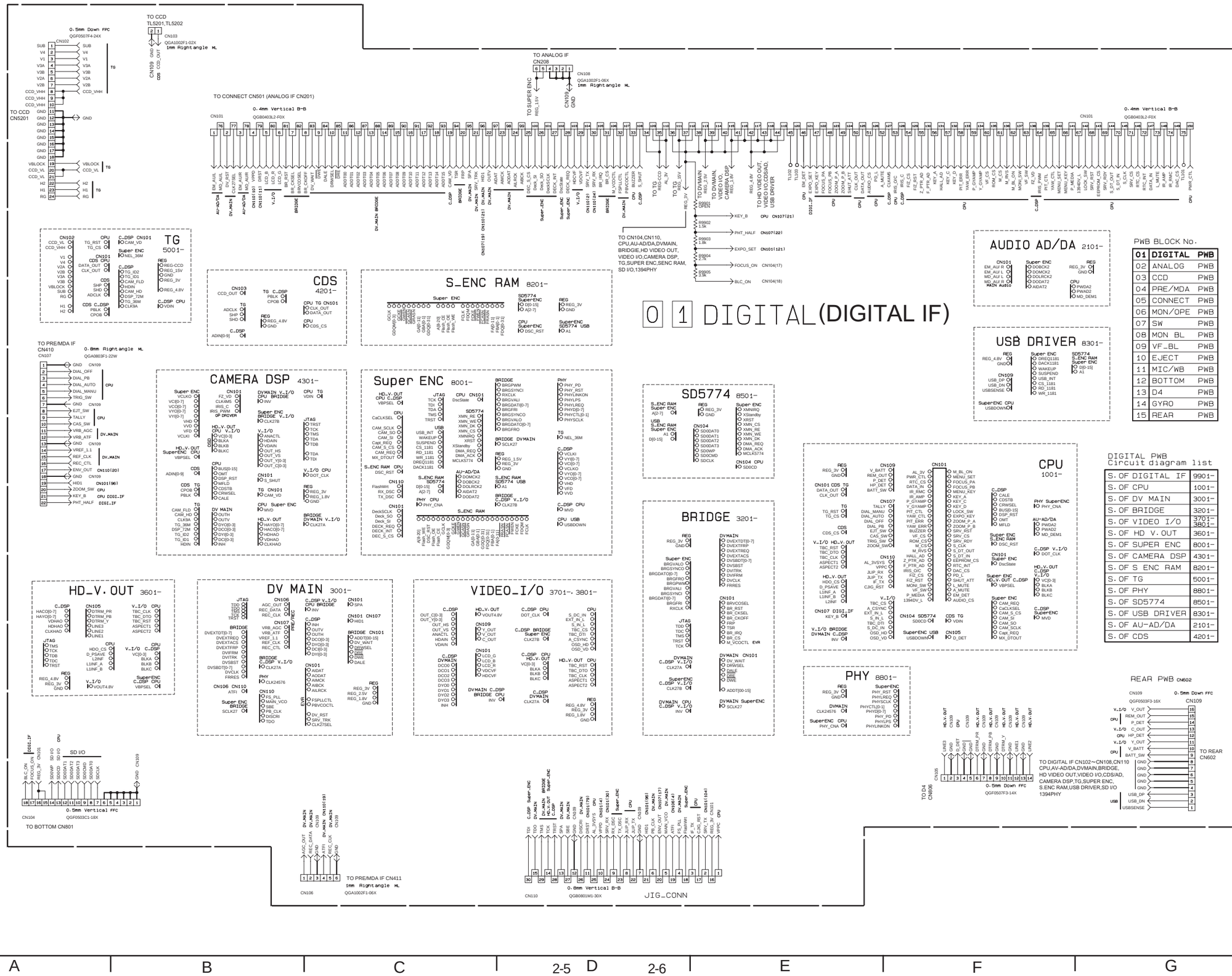


Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

■ BOARD INTERCONNECTIONS



■ DIGITAL(DIGITAL IF) SCHEMATIC DIAGRAM



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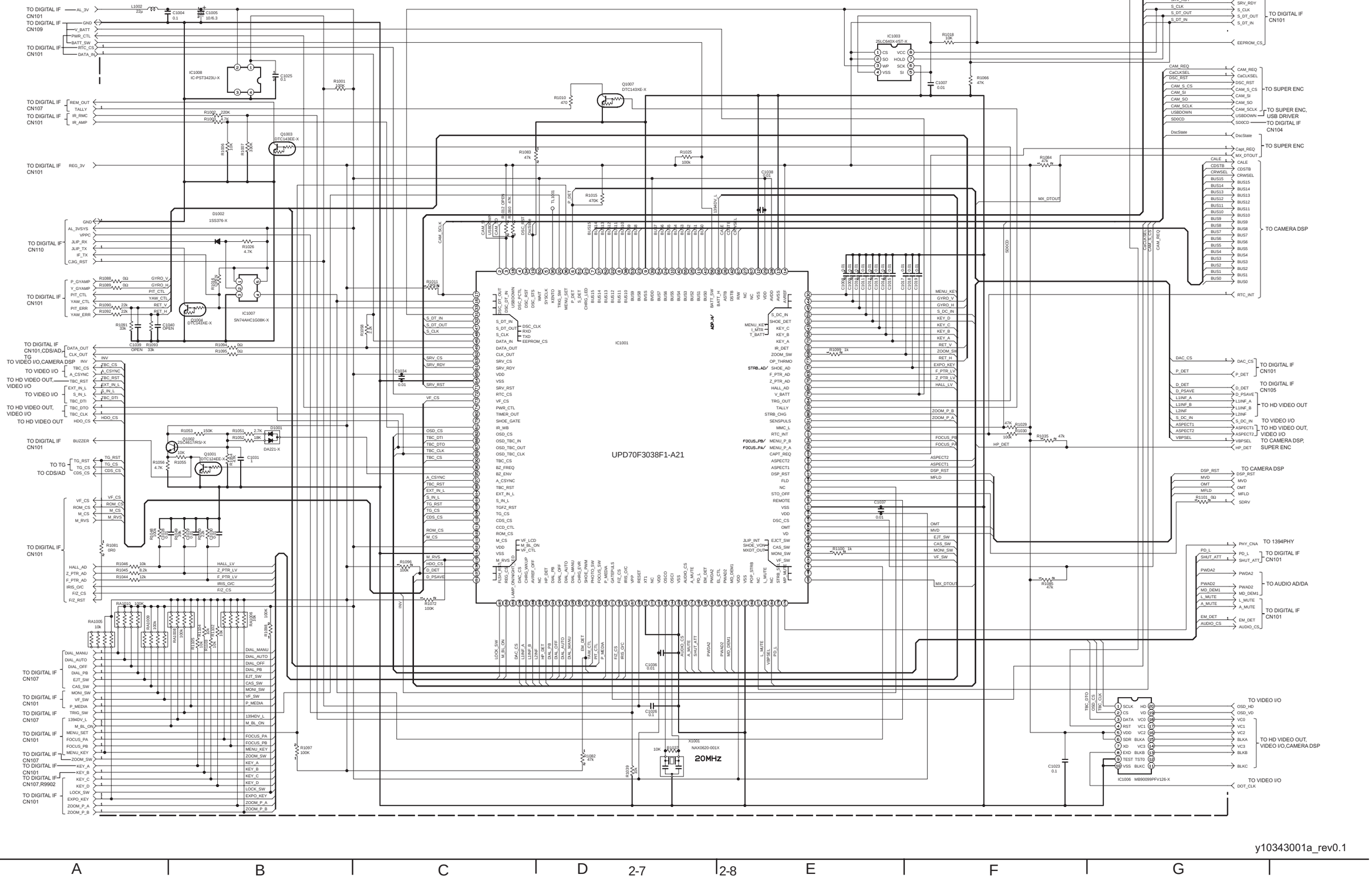
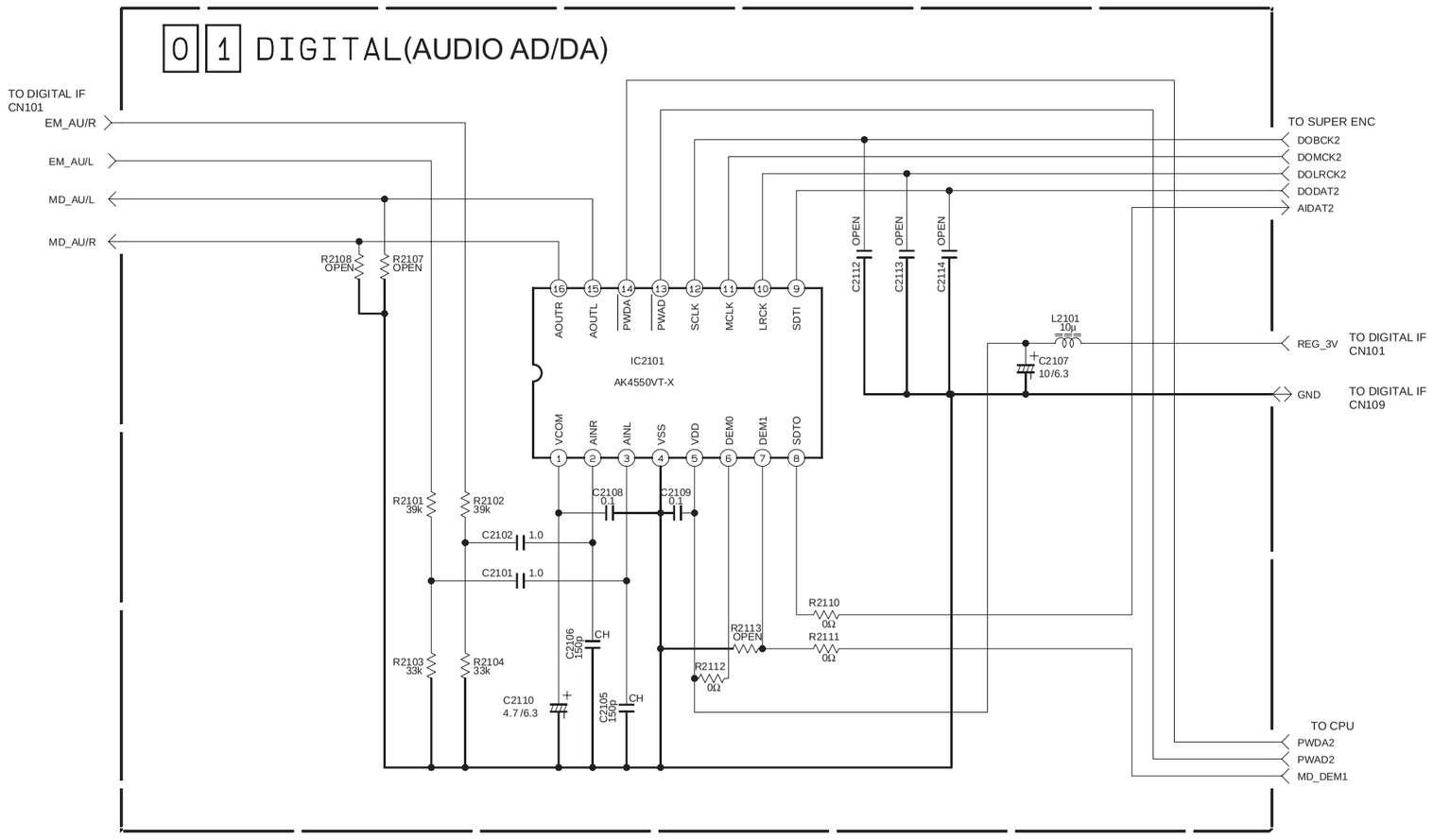
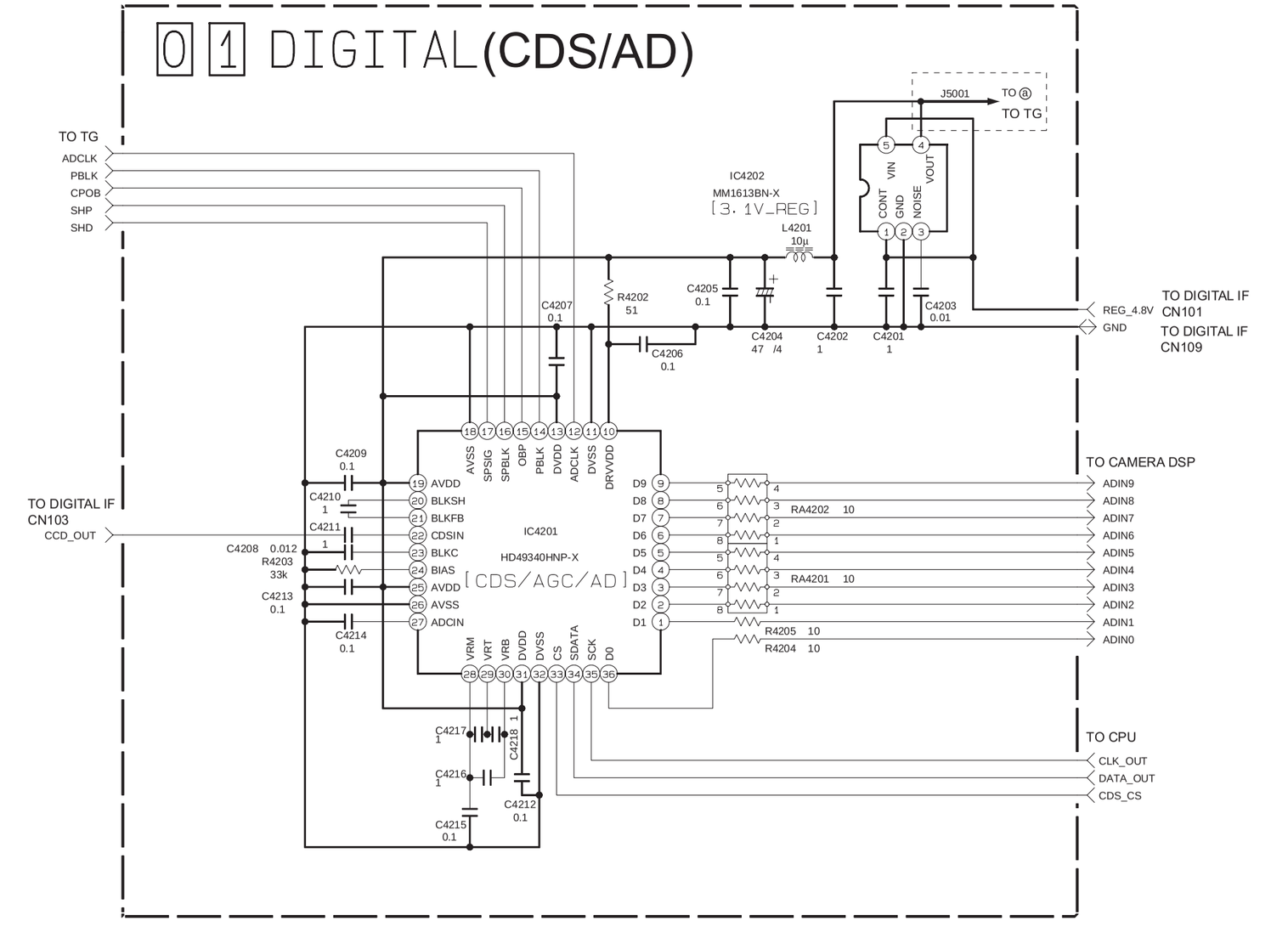
■ DIGITAL(CPU) SCHEMATIC DIAGRAM

01 DIGITAL (CPU)


UPD70F3038F1-A21
IC1001
IC1003 25LC640X-I/ST-X
IC1008 IC-PST3423U-X
IC1007 SN74AHC1G08K-X
Q1001 DTC124EE-X
Q1002 2SC4617RS/-X
Q1003 DTC143EE-X
Q1007 DTC143XE-X
D1002 1SS376-X
D1001 DA221-X
X1001 NAX0620-001X
20MHz
IC1006 MB90099PFV126-X
TO DIGITAL IF CN101
TO DIGITAL IF CN109
TO DIGITAL IF CN107
TO DIGITAL IF CN110
TO SUPER ENC
TO SUPER ENC, USB DRIVER
TO DIGITAL IF CN104
TO CAMERA DSP
TO 1394PHY
TO AUDIO AD/DA
TO DIGITAL IF CN105
TO HD VIDEO OUT
TO VIDEO I/O
TO HD VIDEO OUT, VIDEO I/O
TO CAMERA DSP, SUPER ENC
TO CAMERA DSP, USB DRIVER
TO TG
TO CDS/AD
TO DIGITAL IF CN107,R9902
TO HD VIDEO OUT, VIDEO I/O,CAMERA DSP
TO VIDEO I/O, CAMERA DSP
TO DIGITAL IF CN101,CDS/AD,TG
TO HD VIDEO OUT, VIDEO I/O
TO VIDEO I/O
TO HD VIDEO OUT
TO DIGITAL IF CN101,CDS/AD
TO VIDEO I/O
TO HD VIDEO OUT, VIDEO I/O
TO CAMERA DSP, SUPER ENC
TO DIGITAL IF CN101
TO DIGITAL IF CN107
TO DIGITAL IF CN101
TO DIGITAL IF CN107
TO DIGITAL IF CN101
TO DIGITAL IF CN107
TO DIGITAL IF CN101
TO DIGITAL IF CN107
TO DIGITAL IF CN101
TO DIGITAL IF CN107
TO DIGITAL IF CN101
TO DIGITAL IF CN107,R9902
TO DIGITAL IF CN101
TO DIGITAL IF CN101
TO DIGITAL IF CN101


01 DIGITAL(AUDIO AD/DA)
TO DIGITAL IF CN101
EM_AU/R
EM_AU/L
MD_AU/L
MD_AU/R
R2108 OPEN
R2107 OPEN
IC2101
AK4550VT-X
AOUTR
AOUTL
PWDA
PWAD
SCLK
MCLK
LRCK
SDTI
VCOM
AINR
AINL
VSS
VDD
DEM0
DEM1
SDTO
C2112 OPEN
C2113 OPEN
C2114 OPEN
L2101 10µ
C2107 10/6.3
TO SUPER ENC
DOBCK2
DOMCK2
DOLRCK2
DODAT2
AIDAT2
REG_3V
TO DIGITAL IF CN101
GND
TO DIGITAL IF CN109
R2101 39K
R2102 39K
R2103 33K
R2104 33K
C2108 0.1
C2109 0.1
C2102 1.0
C2101 1.0
C2106 150P CH
C2110 4.7/6.3
C2105 1500P CH
R2110 0Ω
R2113 OPEN
R2111 0Ω
R2112 0Ω
TO CPU
PWDA2
PWAD2
MD_DEM1


01 DIGITAL(CDS/AD)
TO TG
ADCLK
PBLK
CPOB
SHP
SHD
J5001
TO ⓐ
TO TG
IC4202
MM1613BN-X
[3.1V_REG]
CONT
GND
NOISE
VIN
VOUT
L4201 10µ
C4205 0.1
C4207 0.1
R4202 51
C4206 0.1
C4204 47 /4
C4202 1
C4201 1
C4203 0.01
REG_4.8V
GND
TO DIGITAL IF CN101
TO DIGITAL IF CN109
AVSS
SPSIG
SPBLK
OBP
PBLK
DVDD
ADCLK
DVSS
DRVVDD
C4209 0.1
C4210 1
C4211 1
C4208 0.012
R4203 33K
C4213 0.1
C4214 0.1
TO DIGITAL IF CN103
CCD_OUT
IC4201
HD49340HNP-X
[CDS/AGC/AD]
AVDD
BLKSH
BLKFB
CDSIN
BLKC
BIAS
AVDD
AVSS
ADCIN
D9
D8
D7
D6
D5
D4
D3
D2
D1
RA4202 10
RA4201 10
R4205 10
R4204 10
TO CAMERA DSP
ADIN9
ADIN8
ADIN7
ADIN6
ADIN5
ADIN4
ADIN3
ADIN2
ADIN1
ADIN0
VRM
VRT
VRB
DVDD
DVSS
CS
SDATA
SCK
D0
C4217 1
C4216 1
C4215 0.1
C4212 0.1
TO CPU
CLK_OUT
DATA_OUT
CDS_CS

■ DIGITAL(DV MAIN) SCHEMATIC DIAGRAM

0 1 DIGITAL(DV MAIN)

IC3001

JCY0172

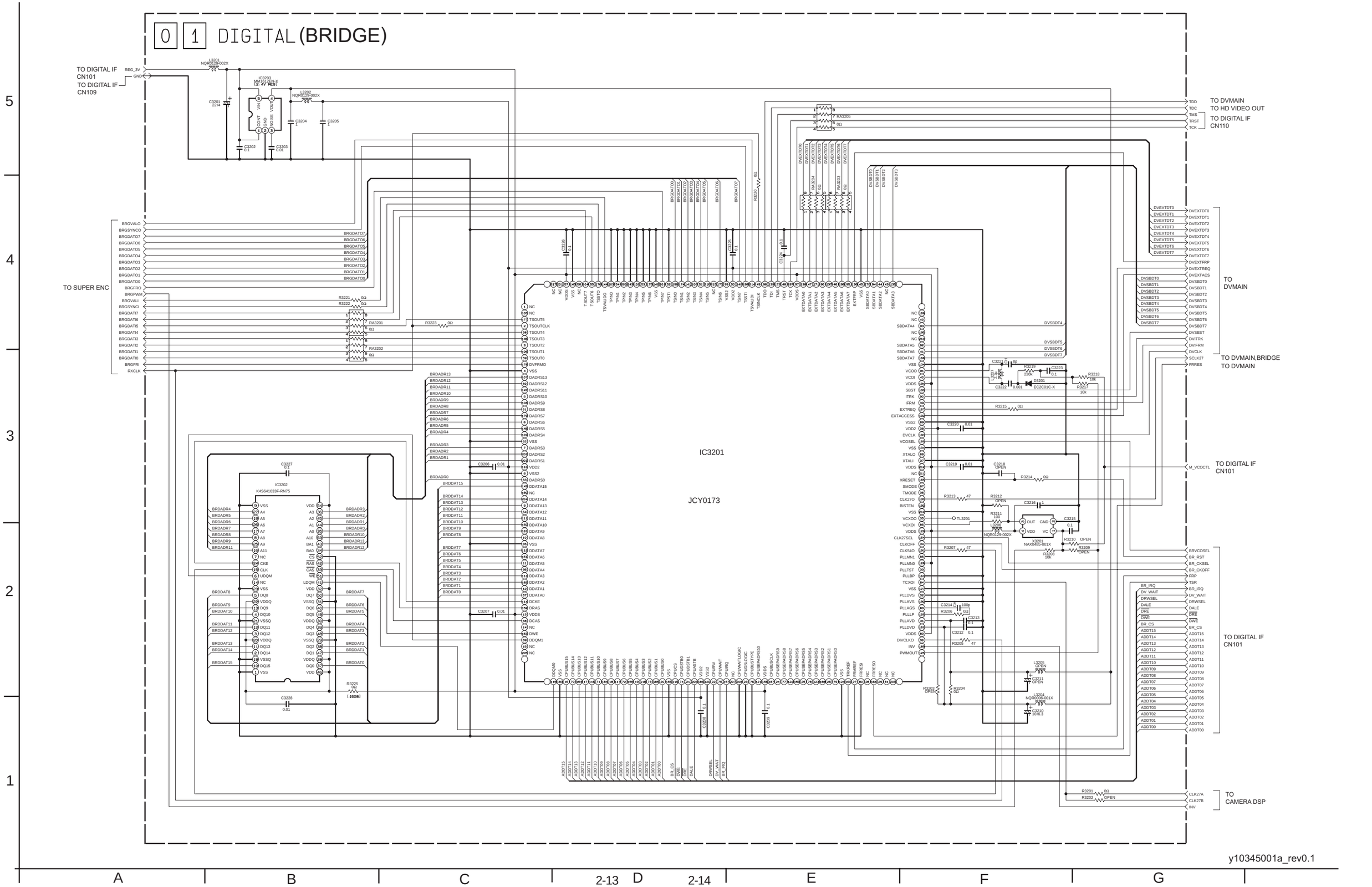
[DVMAIN]

y10344001a_rev0.1

5 4 3 2 1

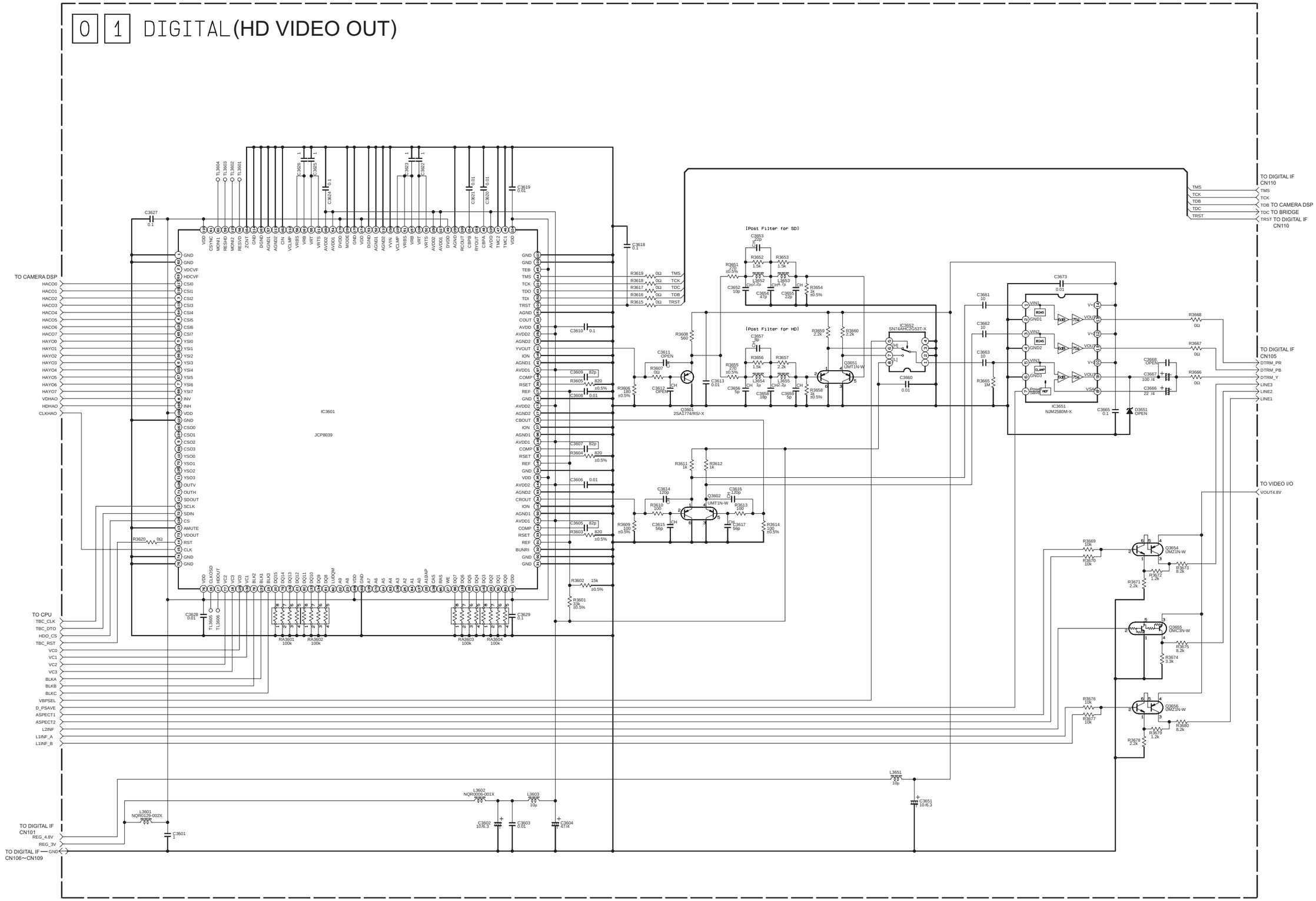
A B C D 2-11 2-12 E F G

■ DIGITAL(BRIDGE) SCHEMATIC DIAGRAM



■ DIGITAL(HD VIDEO OUT) SCHEMATIC DIAGRAM

0 1 DIGITAL(HD VIDEO OUT)



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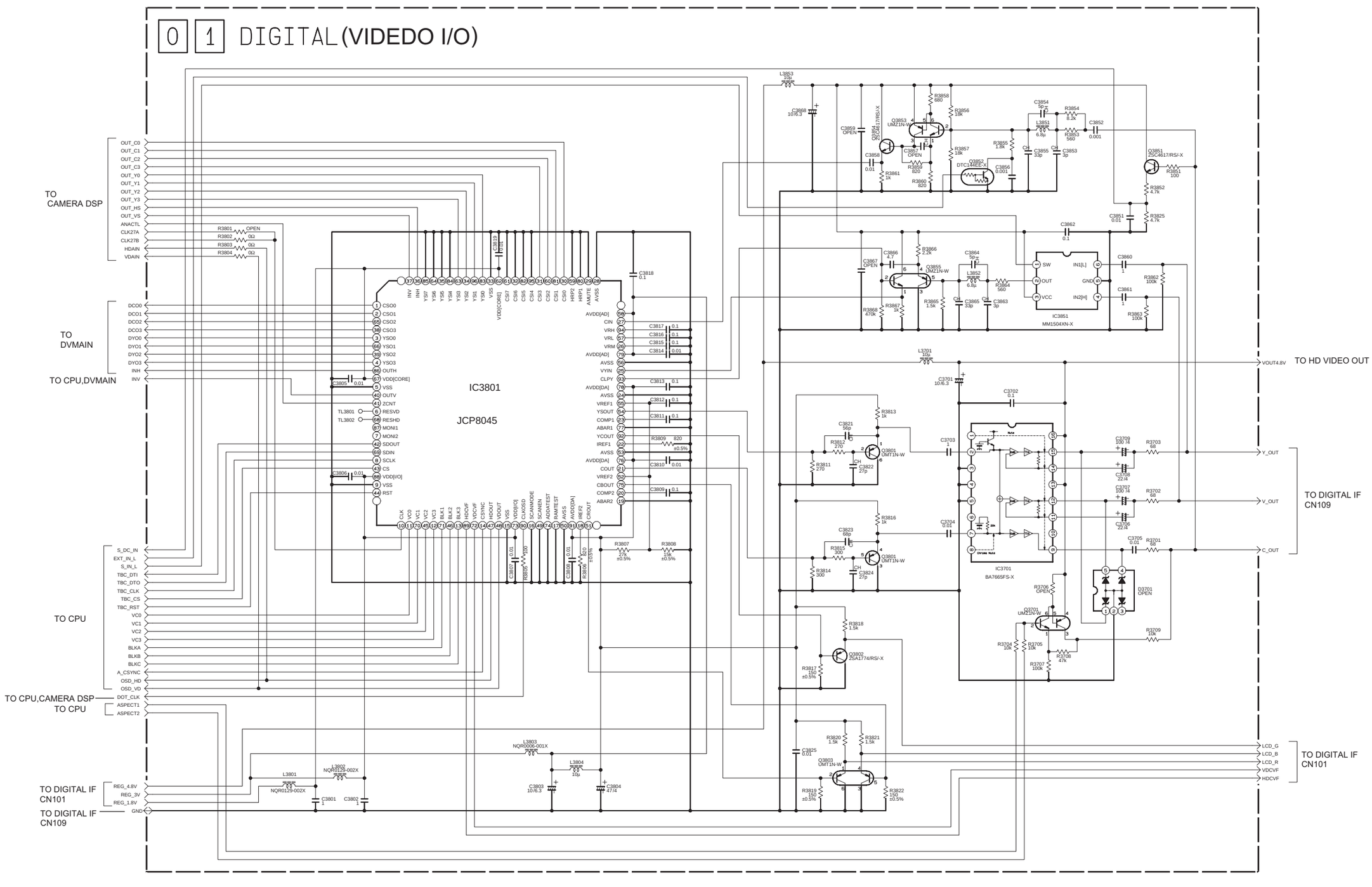
A B C D 2-15 2-16 E F G

■ DIGITAL(VIDEO I/O) SCHEMATIC DIAGRAM



y10346001a_rev0.1

■ DIGITAL(CAMERA DSP) SCHEMATIC DIAGRAM

0 1 DIGITAL(CAMERA DSP)

IC4301

YQ44920A

TO SUPER ENC

TO CPU
TO SUPER ENC

TO CDS/AD

TO TG

TO DIGITAL IF CN101,TG

TO TG

TO DIGITAL IF CN101

TO DIGITAL IF CN101
TO DIGITAL IF CN109

TO CPU

S_SHUT

TO DIGITAL IF CN101

TO DVMAIN

TO CPU,DVMAIN, BRIDGE
TO CPU,DVMAIN, BRIDGE,VIDEO I/O

TO VIDEO I/O

TO VIDEO I/O

TO BRIDGE,VIDEO I/O, SUPER ENC

TO CPU

TO CPU,SUPER ENC

TO CPU

TO DIGITAL IF CN110

TO HD VIDEO OUT

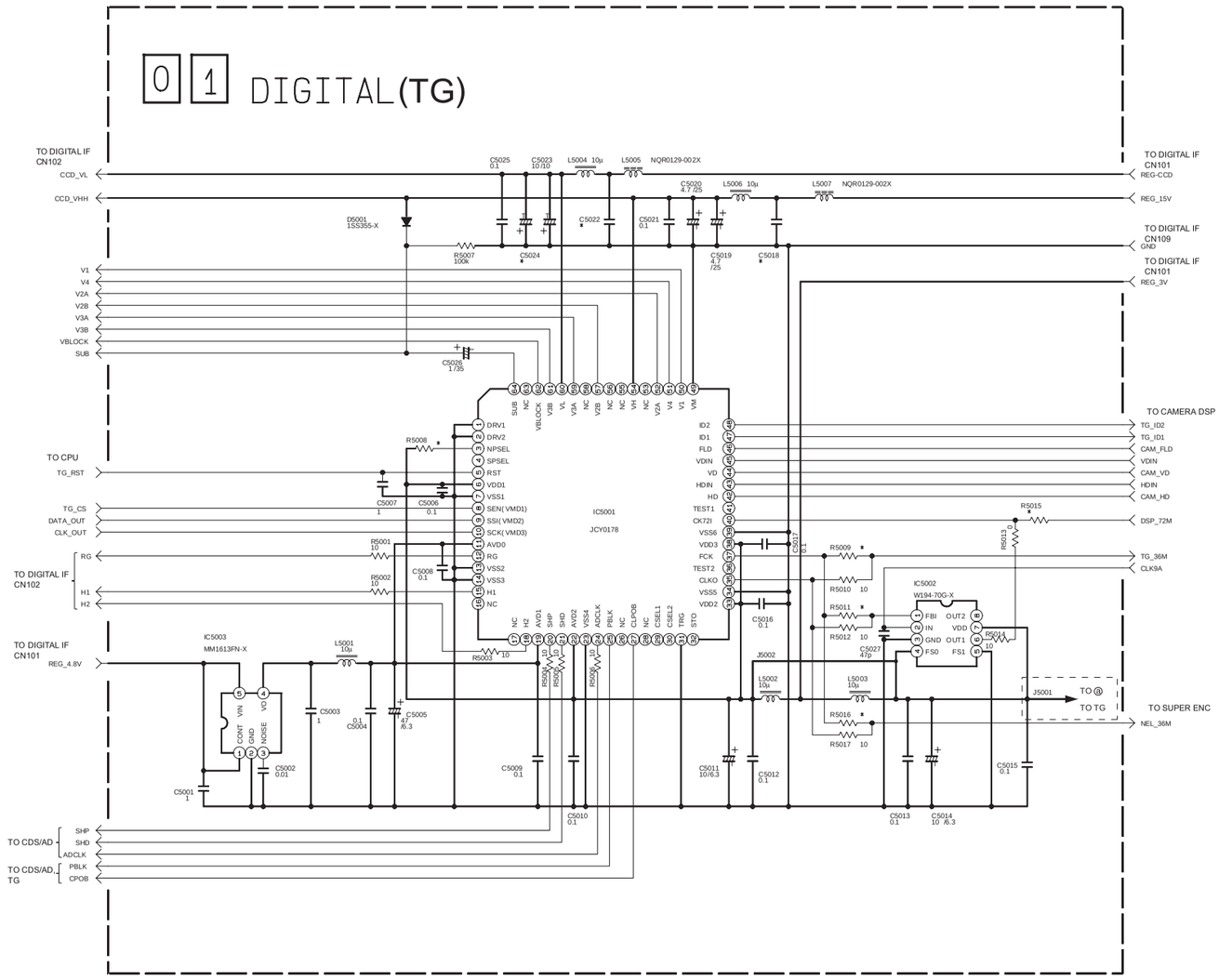
TO DIGITAL IF CN110

TO DVMAIN, SUPER ENC

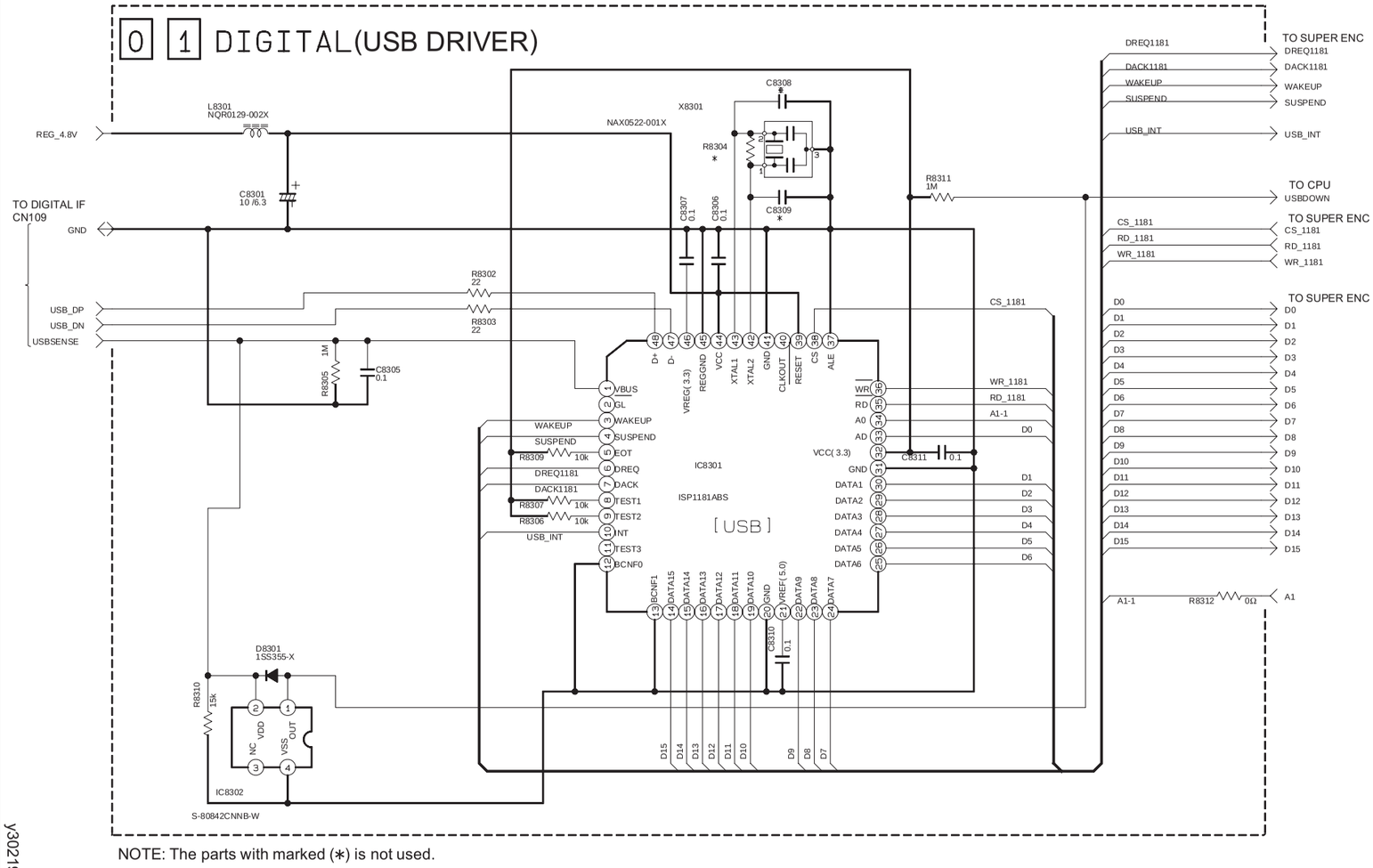
NOTE: The parts with marked (*) is not used.

y10349001a_rev0.1

2-19 2-20

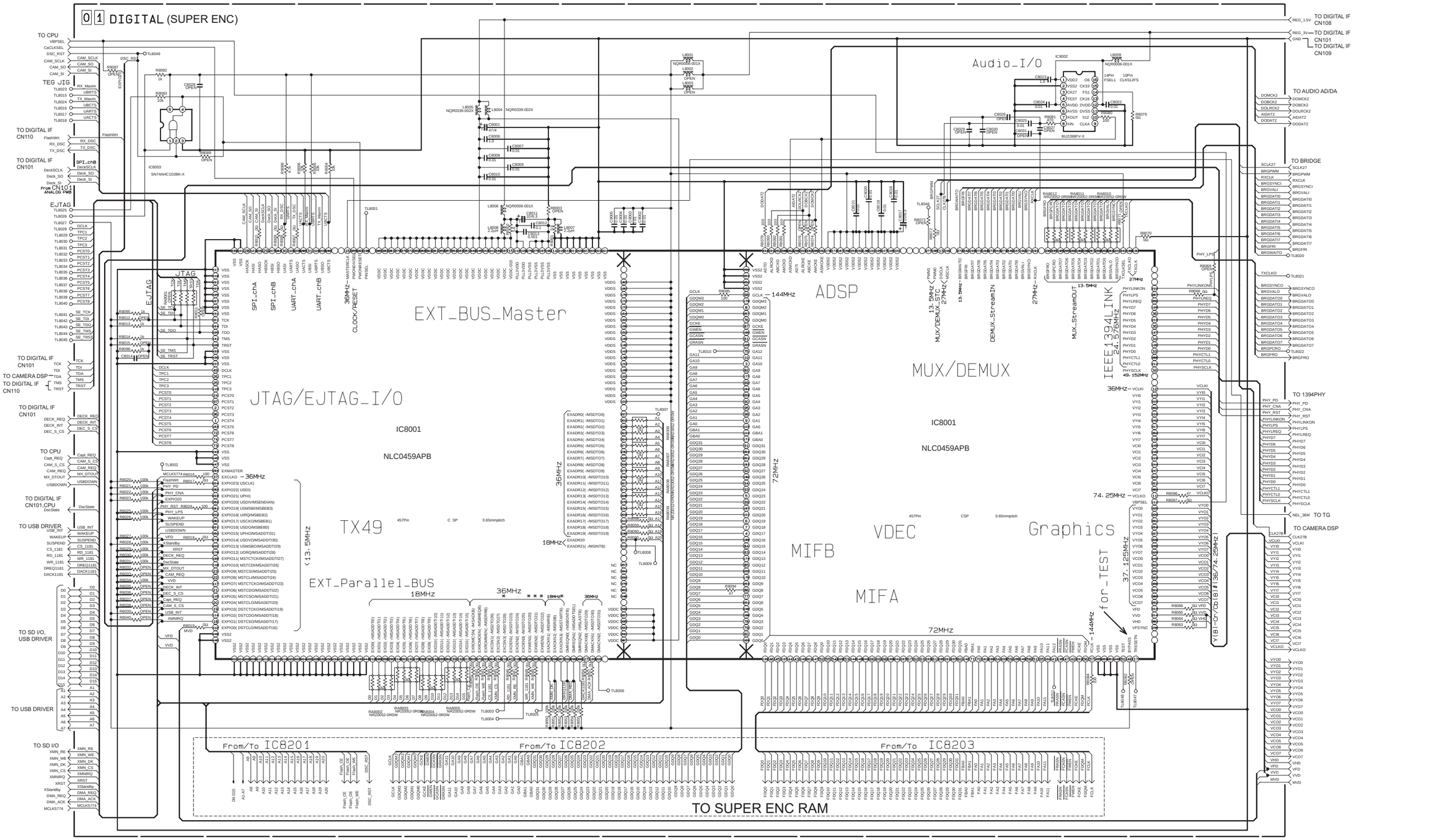


NOTE: The parts with marked (∗) is not used.



NOTE: The parts with marked (∗) is not used.

■ DIGITAL(SUPER ENC) SCHEMATIC DIAGRAM



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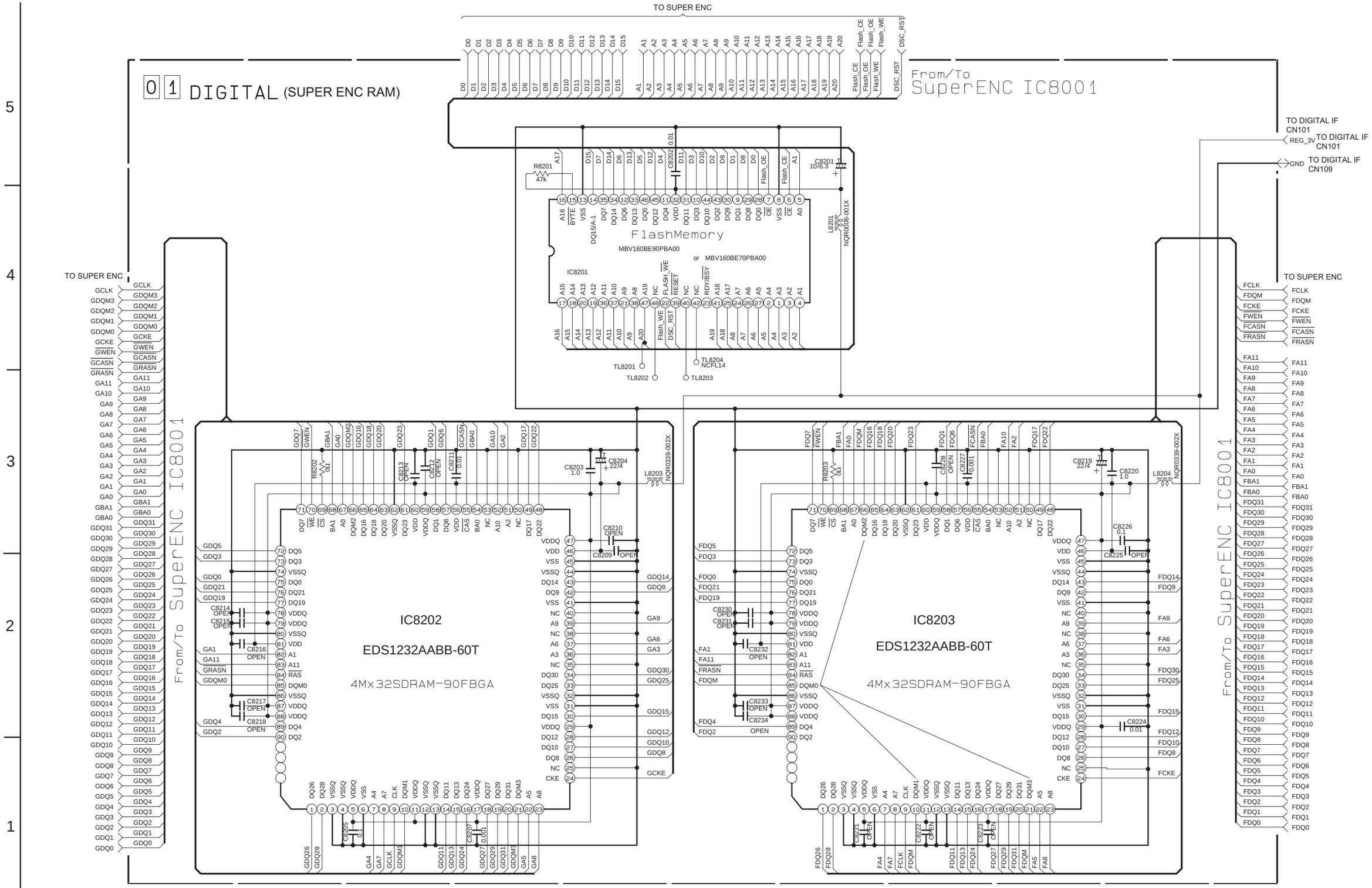
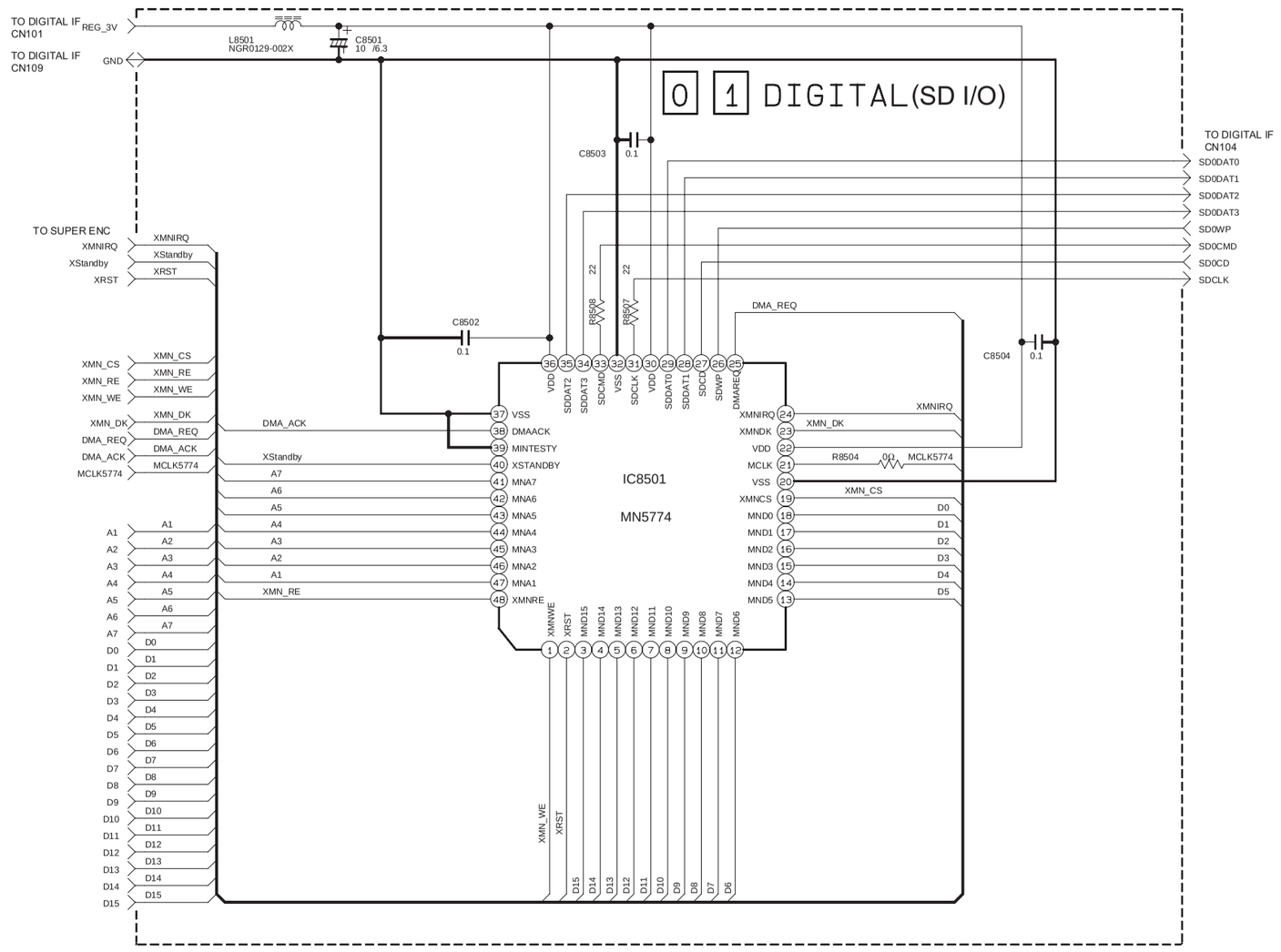
■ DIGITAL(SUPER ENC RAM) SCHEMATIC DIAGRAM

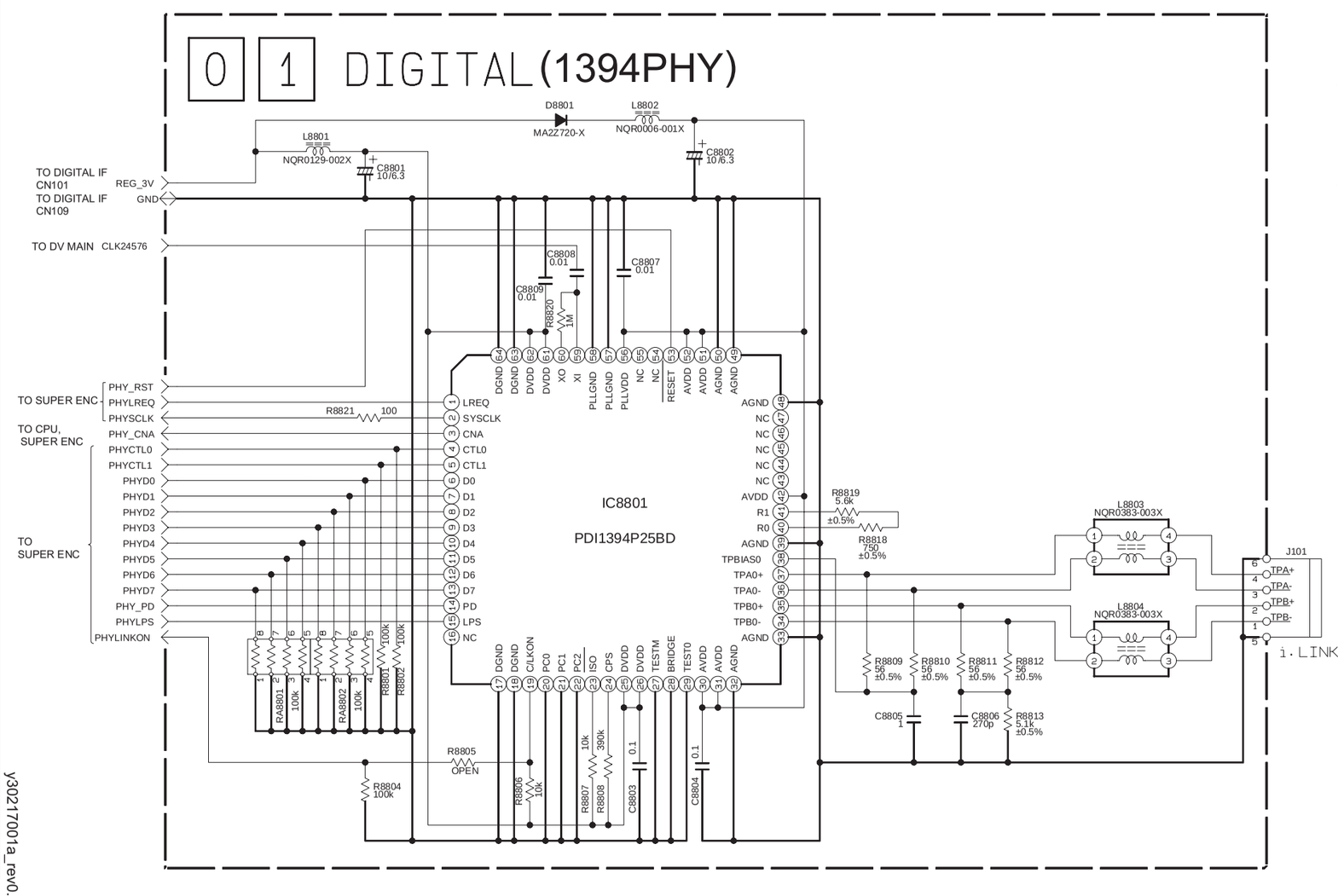


y20239001a_rev0.1

■ DIGITAL(SD I/O) SCHEMATIC DIAGRAM



■ DIGITAL(1394PHY) SCHEMATIC DIAGRAM



■ ANALOG(ANALOG IF) SCHEMATIC DIAGRAM

0 2 ANALOG (ANALOG IF)

ANALOG PWB Circuit diagram list

S.OF ANALOG_IF	201-
S.OF MSD-CPU	1401-
S.OF REGURATOR	6001-
S.OF OP_DRIVER	4801-
S.OF S_LENS_DRV	5801-
S.OF MAIN_AUDIO	2201-

PWB BLOCK No.

01	DIGITAL	PWB
02	**ANALOG**	**PWB**
03	CCD	PWB
04	PREMDA	PWB
05	CONNECT	PWB
06	MON/OPE	PWB
07	SW	PWB
08	MON BL	PWB
09	VF_BL	PWB
10	EJECT	PWB
11	MIC/WB	PWB
12	BOTTOM	PWB
13	D4	PWB
14	GYRO	PWB
15	REAR	PWB

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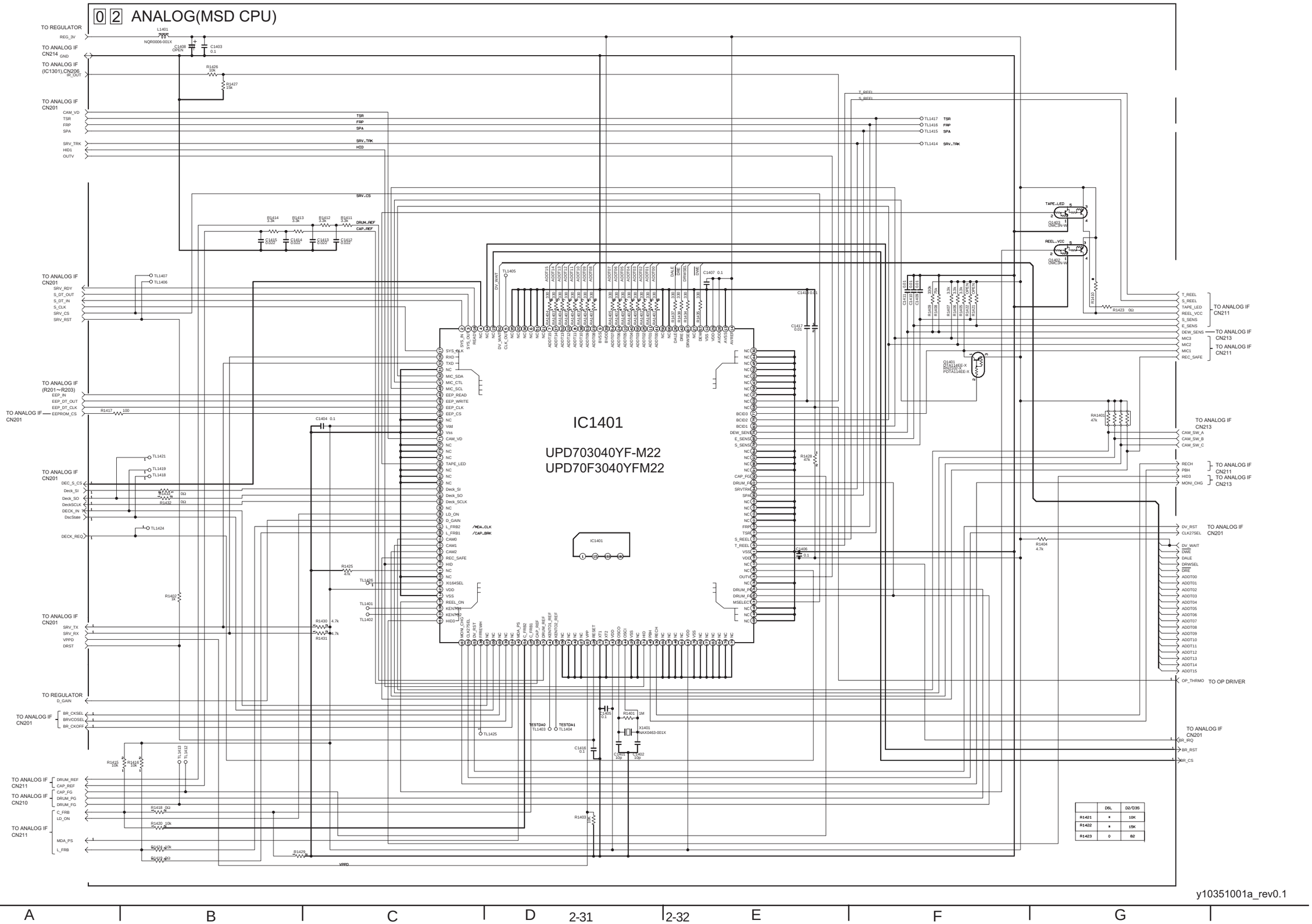
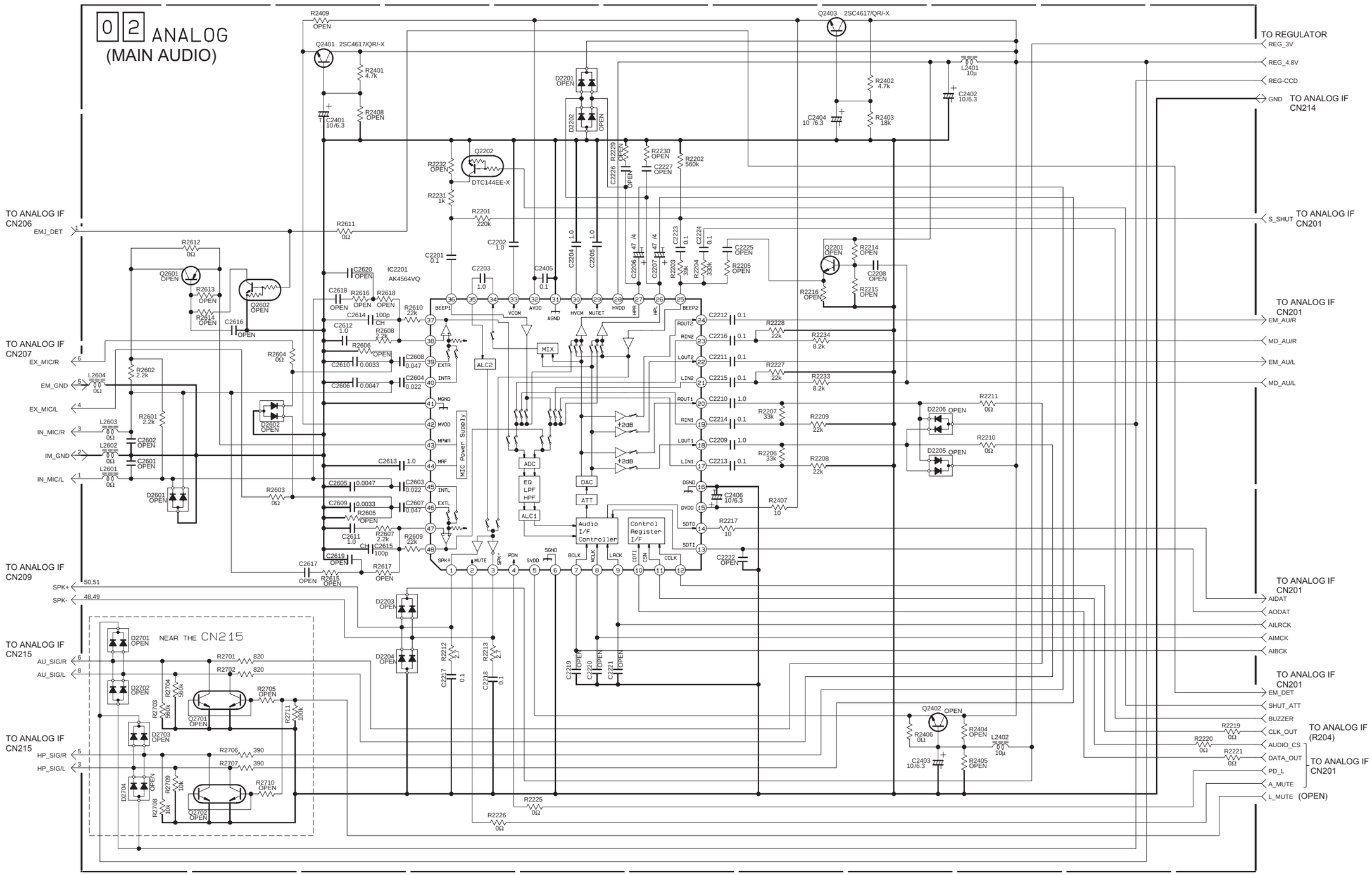
■ ANALOG(MSD-CPU) SCHEMATIC DIAGRAM



■ ANALOG(MAIN AUDIO) SCHEMATIC DIAGRAM

02 ANALOG
(MAIN AUDIO)



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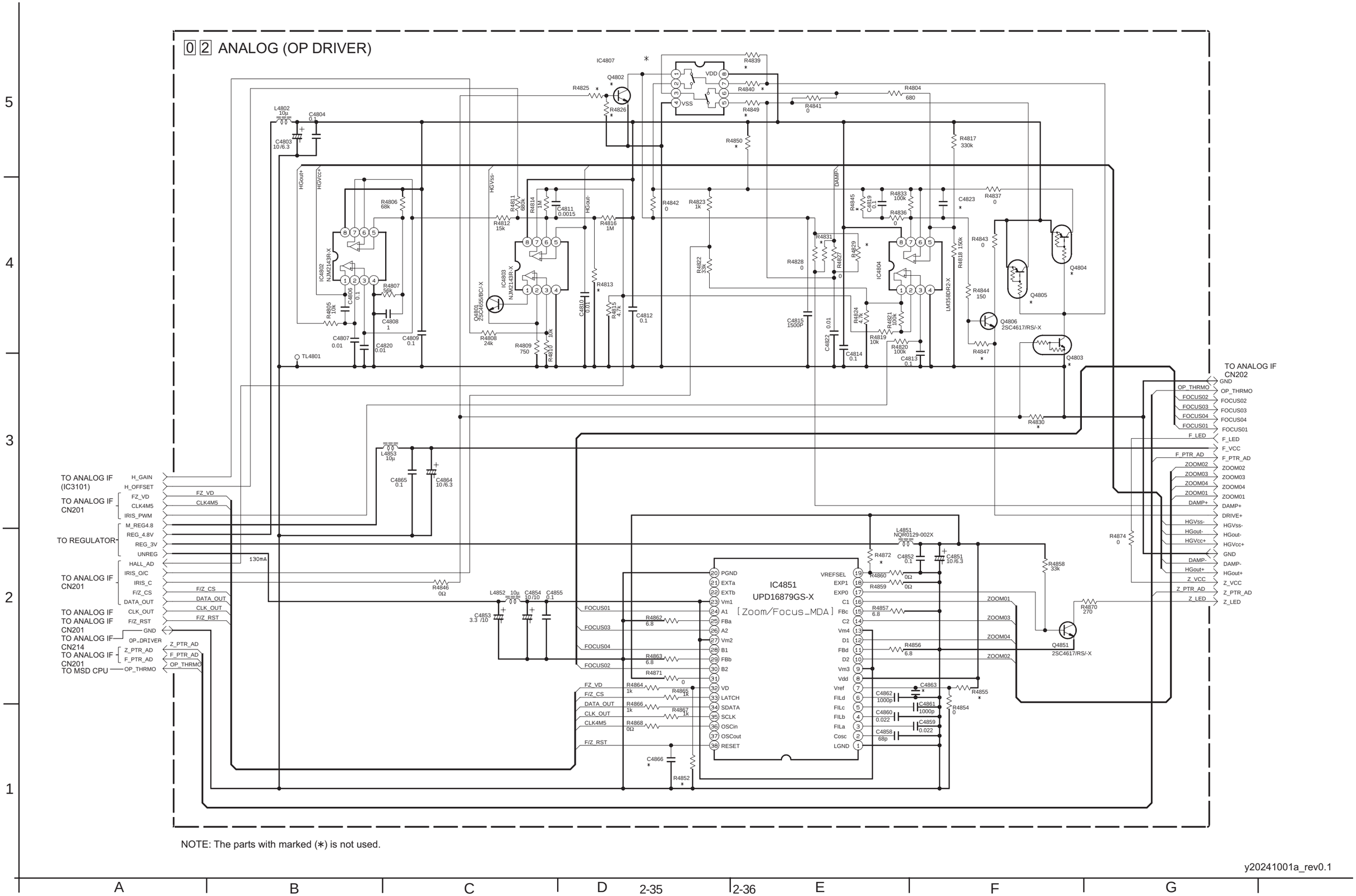
■ ANALOG(OP DRIVER) SCHEMATIC DIAGRAM



NOTE: The parts with marked (∗) is not used.

y20241001a_rev0.1

■ ANALOG(REGULATOR) SCHEMATIC DIAGRAM

0 2 ANALOG (REGULATOR)

IC6101
BD9713KV

CH1:Motor (DRUM)
CH2:Motor (CAP.)
CH3:No care (1.8V)
CH4:No SCP (4.8V)
CH5:DTC/STB (15V)
CH6:DTC/STB (3.1V)
CH7:LV/DTC/STB (1.5V)

IC6001
S-80842CNNB-W

IC6002
R1224N102G-X

Q6001 MCH3308-X
Q6002 2SK3019-X
Q6003 MCH6613-W
Q6004 DTC144EE-X
Q6005 FML9-W
Q6101 CPH3314-X
Q6102 QS6U24-W
Q6103 QS6U24-W
Q6104 QS6U24-W
Q6105 QS6U24-W
Q6106 CPH3314-X
Q6107 CPH3314-X

D6001 RB715F-X
D6101 RB521S-30-X
D6102 RB480Y-W
D6103 RB480Y-W
D6104 CRS06-X
D6105 CRS06-X

BT6001 QAB0025-001

F6001 NMFZ007-R50X-K
F6101 NMFZ007-2R5X-K
F6102 NMFZ007-1R0X-K
F6103 NMFZ007-R20X-K
F6104 NMFZ007-R50X-K
F6105 NMFZ007-R50X-K

L6101 4.7µ
L6102 4.7µ
L6103 NQL64EM-330X 33µ
L6104 NQL64EM-330X 33µ
L6105 NQL64EM-470X 47µ
L6106 NQL64EM-470X 47µ
L6107 NQL64EM-330X 33µ
L6108 22µ
L6109 NQL2011-221X 220µ
L6110 NQL2010-220X 22µ
L6111 NQL045K 10µ
L6001 47µ

IC6103 BD3861FV-X

BATT_+
GND
TO ANALOG IF CN214

LIT_3V — TO ANALOG IF (IC201)
AL_3V — TO ANALOG IF CN201
F_UNREG — TO ANALOG IF CN212
UNREG — TO OP-DRIVER
PWR_CTL — TO ANALOG IF CN201
F_REG_3V — TO ANALOG IF CN211
REG_3V — TO ANALOG IF (L3101,L5901), CN201,CN205,CN209, MSD CPU,MAIN AUDIO, OP DRIVER
REG_2.5V — TO ANALOG IF CN201,CN203, SHIFT LENS DRIVER
REG_1.8V
CAP_PWR
CAP_ERR — TO ANALOG IF CN201
DRUM_PWR
DRUM_ERR
D_GAIN — TO MSD CPU
REG_4.8V — TO ANALOG IF (L1301), CN201,CN206,CN209,CN213 MAIN AUDIO,OP DRIVER SHIFT LENS DRIVER
M_REG4.8 — TO ANALOG IF CN212, OP DRIVER
REG_15V — TO ANALOG IF CN201
REG_12V — TO ANALOG IF CN209
REG-CCD — TO ANALOG IF CN201,MAIN AUDIO
REG_1.5V — TO ANALOG IF CN208

−7.2V

WR6102 WR6101 TL2 TL3 TL1

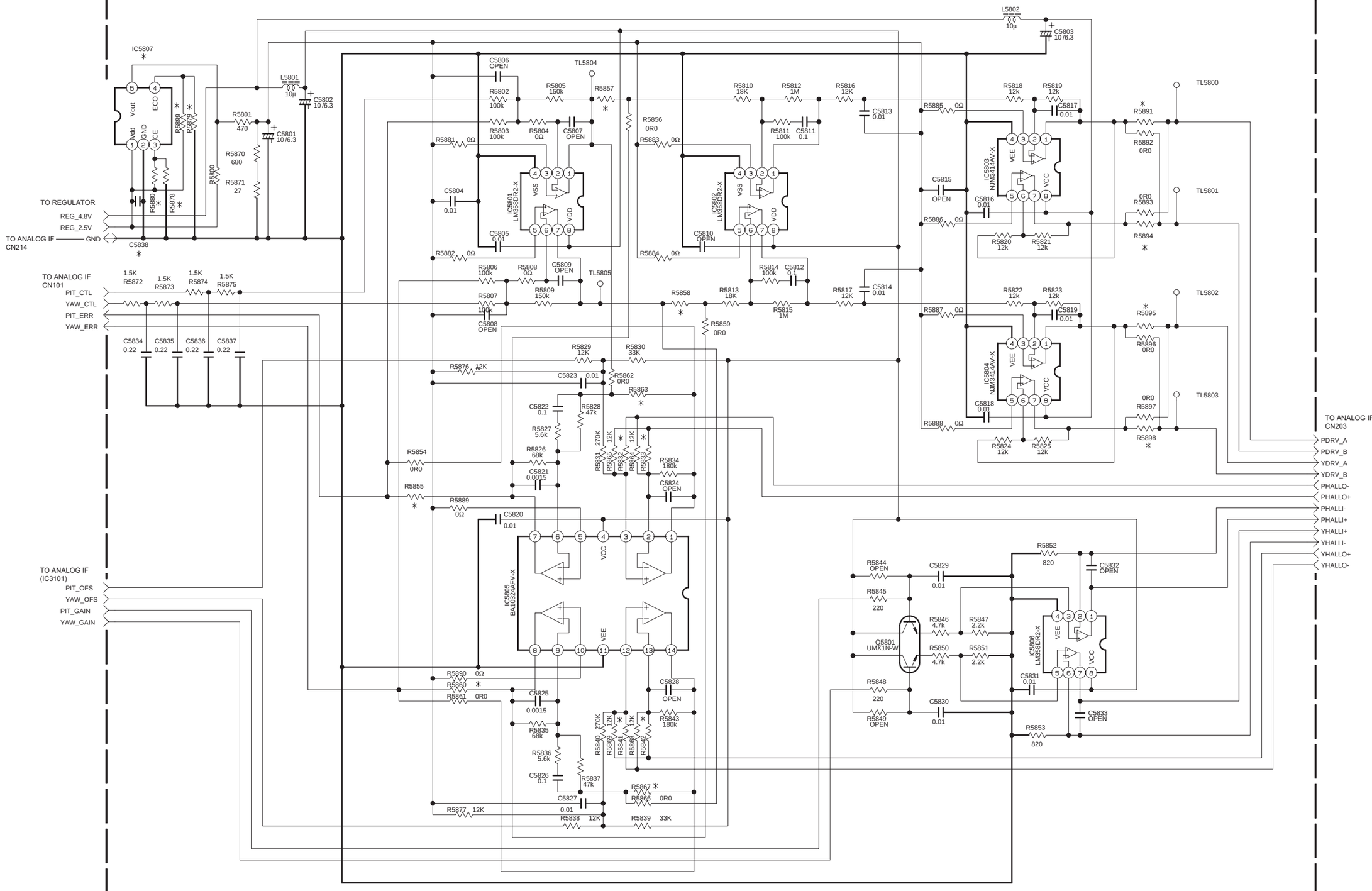
NOTE: The parts with marked (∗) is not used.

y10352001a_rev0.1

2-37 2-38

■ ANALOG(SHIFT LENS DRIVER) SCHEMATIC DIAGRAM

02 ANALOG(SHIFT LENS DRIVER)

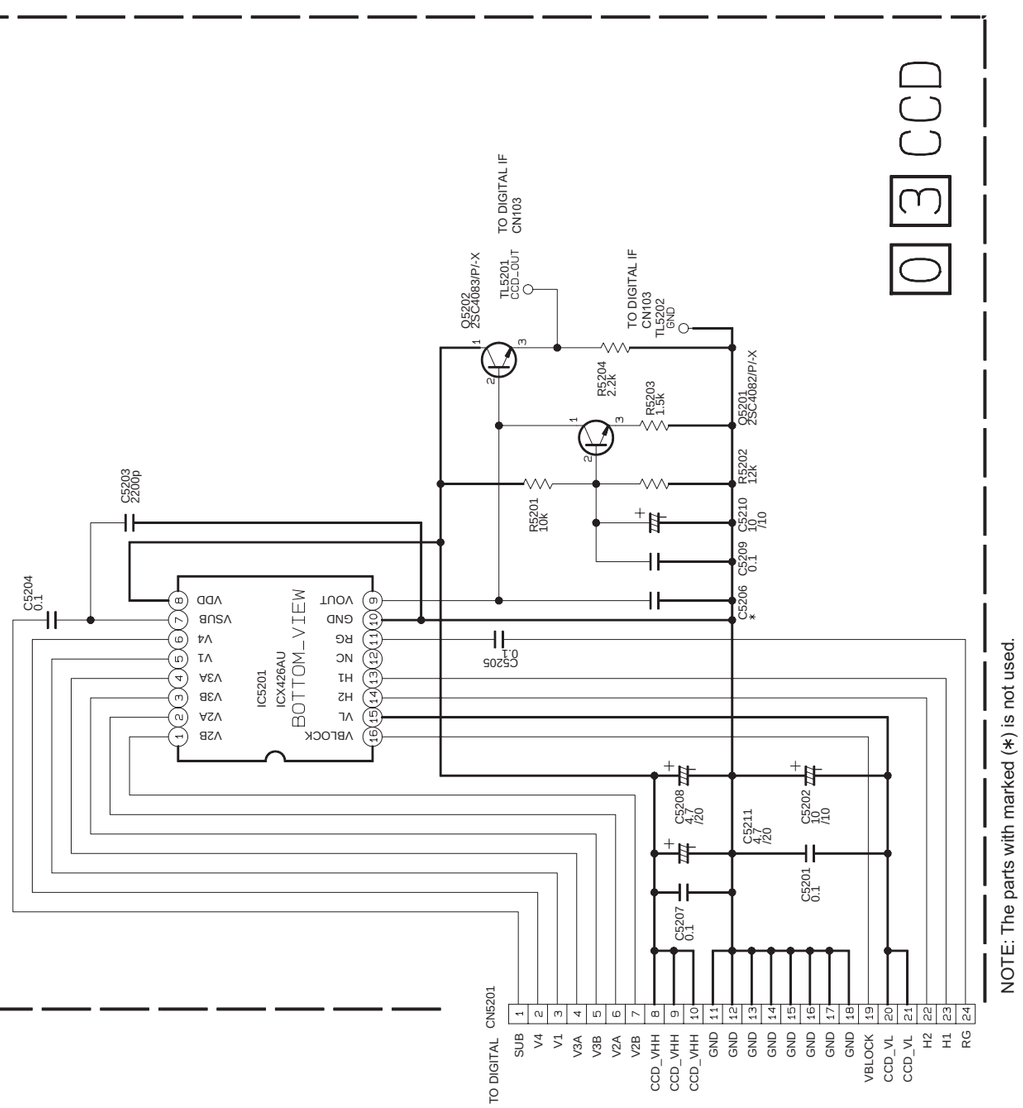


NOTE: The parts with marked (∗) is not used.

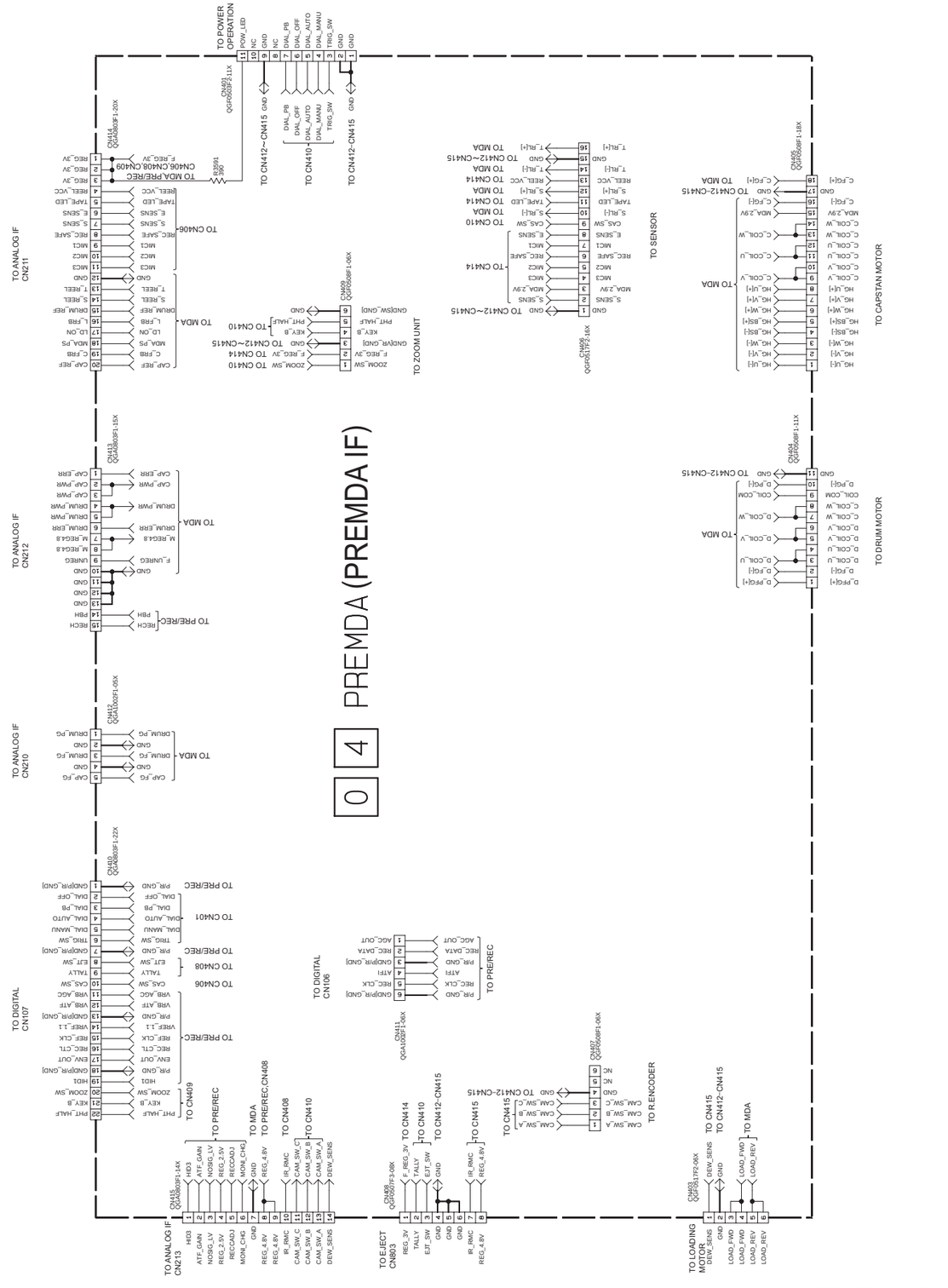
y20242001a_rev0.1

■ CCD SCHEMATIC DIAGRAM

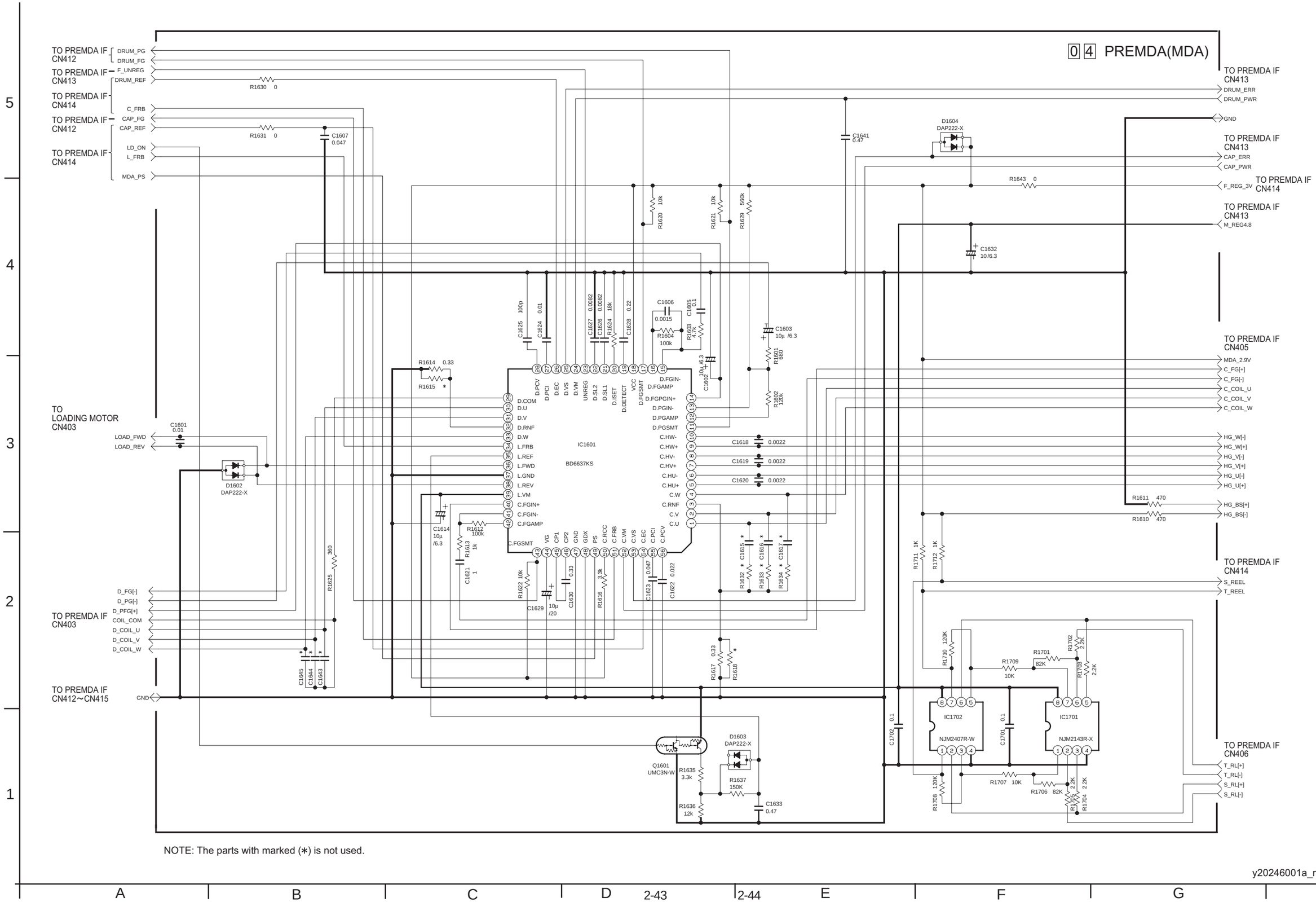
NOTE: • IC5201 is incorporated in the CCD base assembly.
When IC5201 needs replacement, replace the CCD base assembly in whole because it cannot be replaced alone.



■ PREMDA(PREMDA IF) SCHEMATIC DIAGRAM



■ PREMDA(MDA) SCHEMATIC DIAGRAM



NOTE: The parts with marked (∗) is not used.

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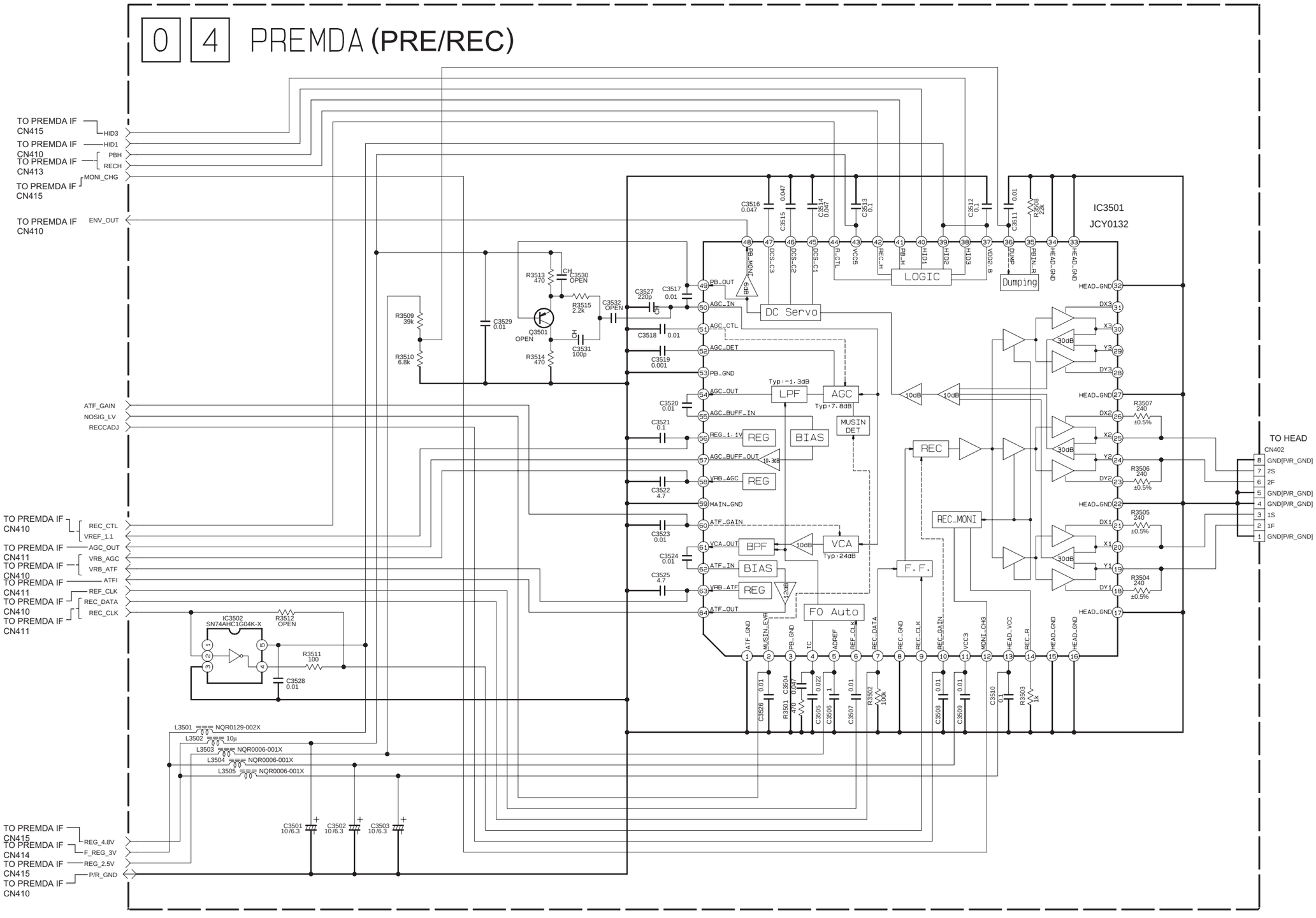
■ PREMDA(PRE/REC) SCHEMATIC DIAGRAM



y20245001a_rev0.1

■ MON/OPE(DECK OPE) SCHEMATIC DIAGRAM

QGF0301F1-51X
CN301

TO ANALOG IF CN209

SPK+ TO CN305
SPK+
SPK-
SPK-
GND TO VF,MONITOR, CN302~CN304
GND
GND
GND
LCD_R_TR TO VF,MONITOR
GND
LCD_G_TR TO VF,MONITOR, CN302-CN304
GND
LCD_B_TR TO VF,MONITOR
GND
HDCVF TO VF,MONITOR
VDCVF
VF_SW TO CN303
M_CS TO MONITOR
M_RVS
ROM_CS TO VF
REG_3V TO CN302
VF_CS TO VF
MONI_SW TO S7108
S_DT_IN TO VF
M_BL_ON TO MONITOR
S_DT_OUT TO VF
GND TO VF,MONITOR, CN302-CN304
S_CLK TO VF,MONITOR, CN303
REG_4.8V TO CN302
REG_4.8V
BL_4.8V
BL_4.8V
GND_BL TO CN302
GND_BL
GND_BL
REG_12V TO VF,MONITOR
REG_12V
KEY_A TO R7001
KEY_C TO R7007
KEY_D TO CN304
MENU_SET TO S7015
MENU_KEY TO S7017
P_MEDIA TO S7016
1394DV_L TO CN304
MODESW1
TL7001

0 6 MON/OPE(DECK OPE)

S7018
MONI_SW
TO CN301 MONI_SW
NSW0145-001X

S7017 NSW0099-001X
P_MEDIA
TO CN301 P_MEDIA

S7016 NSW0099-001X
1394DV_L
TO CN301 1394DV_L

QGF0301F1-39X
CN302

TO MONITOR
M_VST 1 M_VST
M_RGT 2 M_RGT
M_EN 3 M_EN
GND_BL 4 GND_BL
5 GND_BL
M_VCK 6 M_VCK
7 NC
M_PSIG 8 M_PSIG
9 M_PSIG
TO MONITOR
10 NC
M_COM 11 M_COM
12 M_COM
M_VVDD 13 M_VVDD
14 M_VVDD
15 NC
TO CN301 BL_4.8V 16 BL_4.8V
17 BL_4.8V
18 NC
TO MON BL CN701
M_HCK2 19 M_HCK2
M_HCK1 20 M_HCK1
M_REF 21 M_REF
M_WIDE 22 M_WIDE
M_HST 23 M_HST
24 NC
M_BL_ON 25 M_BL_ON
M_DOWN 26 M_DOWN
GND 27 GND
28 GND
TO MONITOR
M_BLUE 29 M_BLUE
30 M_BLUE
GND 31 GND
M_RED 32 M_RED
33 M_RED
GND 34 GND
M_GREEN 35 M_GREEN
36 M_GREEN
GND 37 GND
R_REG_3V 38 R_REG_3V
M_RVS 39 M_RVS
TO MONITOR REVERSE SW

PROGRAM AE
SHUTTER SPEED
WHITE BLANCE
TO CN301 KEY_A

R7001 1.5k
R7002 1.8k
R7003 2.7k
R7004 3.9k
R7005 6.8k
R7006 10k
NSW0145-001X
STOP S7001
REW S7002
FF S7003
PLAY/STILL S7004
S7005 S7006 S7007
NSW0173-001X NSW0173-001X NSW0173-001X

TO CN301 KEY_C

R7007 1.5k
R7008 1.8k
R7009 2.7k
R7010 3.9k
R7011 6.8k
R7012 10k
NSW0145-001X
INDEX S7008
INFO S7009
SELECT S7010
TITLE S7011
FADER S7012
EFFECT S7013
COLOR BER S7014

TO CN301 MENU_SET
TO CN301 MENU_KEY
(メーカー品番:JLS1300-0101)
S7015 NSW0135-001X
MENU
R7013 10K
TO CN301 GND

QGF0507F3-22X
CN303

CVF_R 1 VF_R
CVF_G 2 VF_G
CVF_B 3 VF_B
VF_COM 4 VF_COM
GND 5 GND
GND 6 GND
TO VF VF_HCK1 7 VF_HCK1
VF_HCK2 8 VF_HCK2
VF_HST 9 VF_HST
VF_BLK 10 VF_BLK
VF_EN 11 VF_EN
VF_VCK2 12 VF_VCK2
VF_VST 13 VF_VST
VF_ON 14 VF_ON
VF_STB 15 VF_STB
TO CN301 REG_4.8V 16 REG4.8V
REG_4.8V 17 REG4.8V
VF_VDD 18 VF_VDD
GND 19 GND
GND 20 GND
GND 21 GND
TO CN301 VF_SW 22 VF_SW
TO VF BL CN703
TO VF SW

CN305
QGF1001F1-02X
TO CN301 SPK+ 1 SPK+
SPK- 2 SPK-
TO SPEAKER

QGF0503F4-06X
CN304
TO CN301 KEY_D 6 KEY_D
MODESW1 5 NC
GND 4 GND
3 GND
2 GND
1 GND
TO SW CN805

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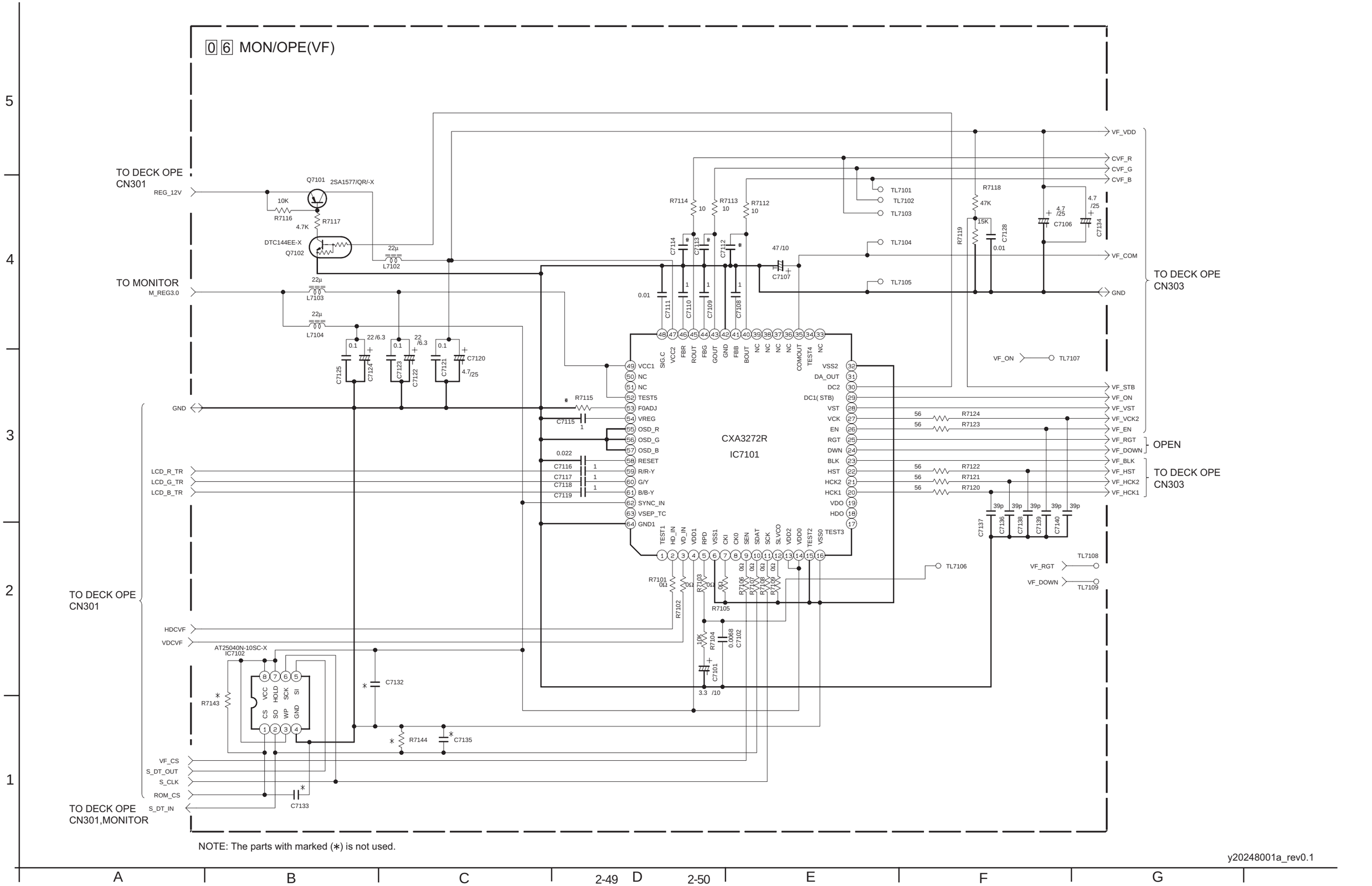
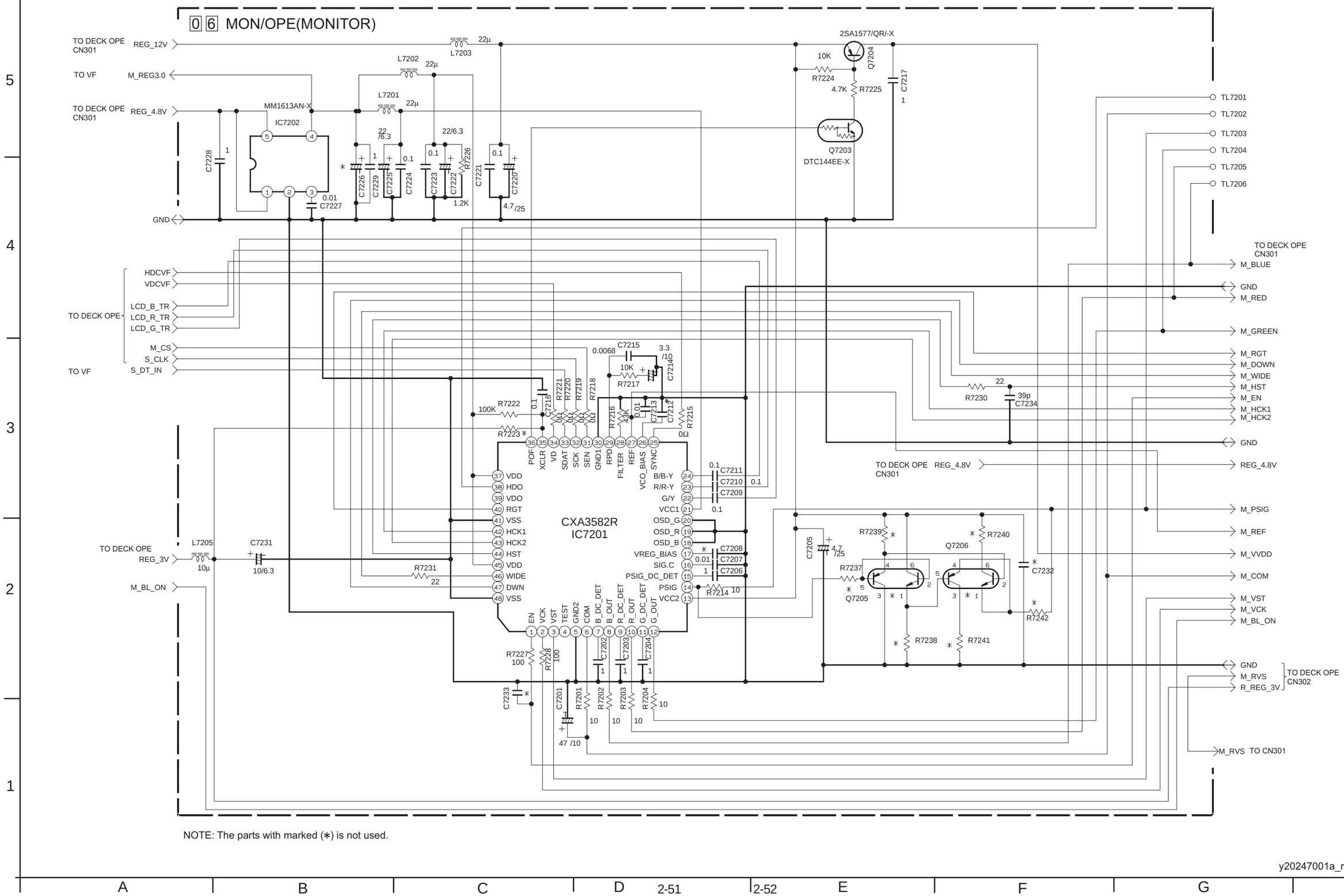
■ MON/OPE(VF) SCHEMATIC DIAGRAM



NOTE: The parts with marked (∗) is not used.

y20248001a_rev0.1

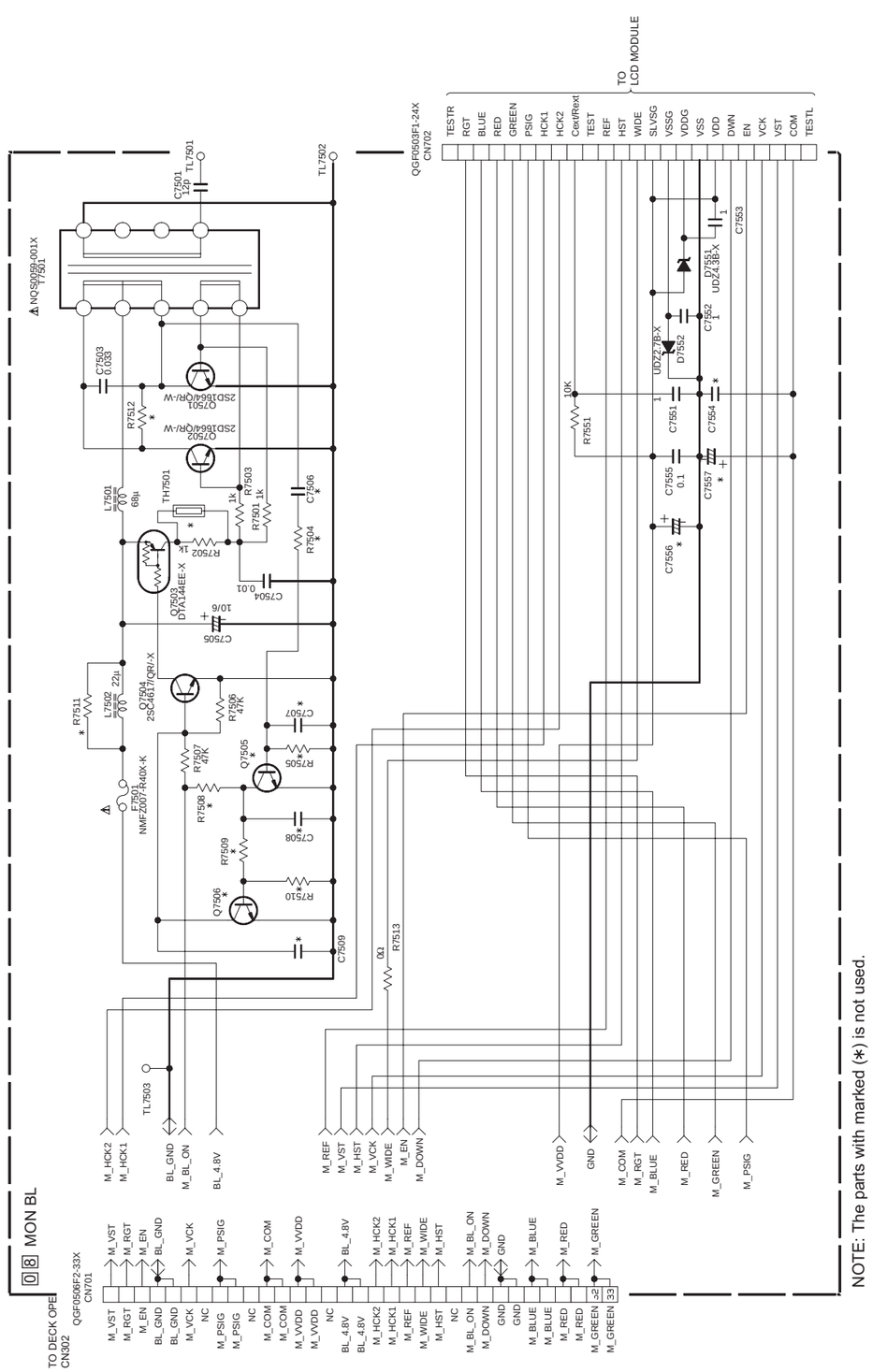
■ MON/OPE(MONITOR) SCHEMATIC DIAGRAM



NOTE: The parts with marked (*) is not used.

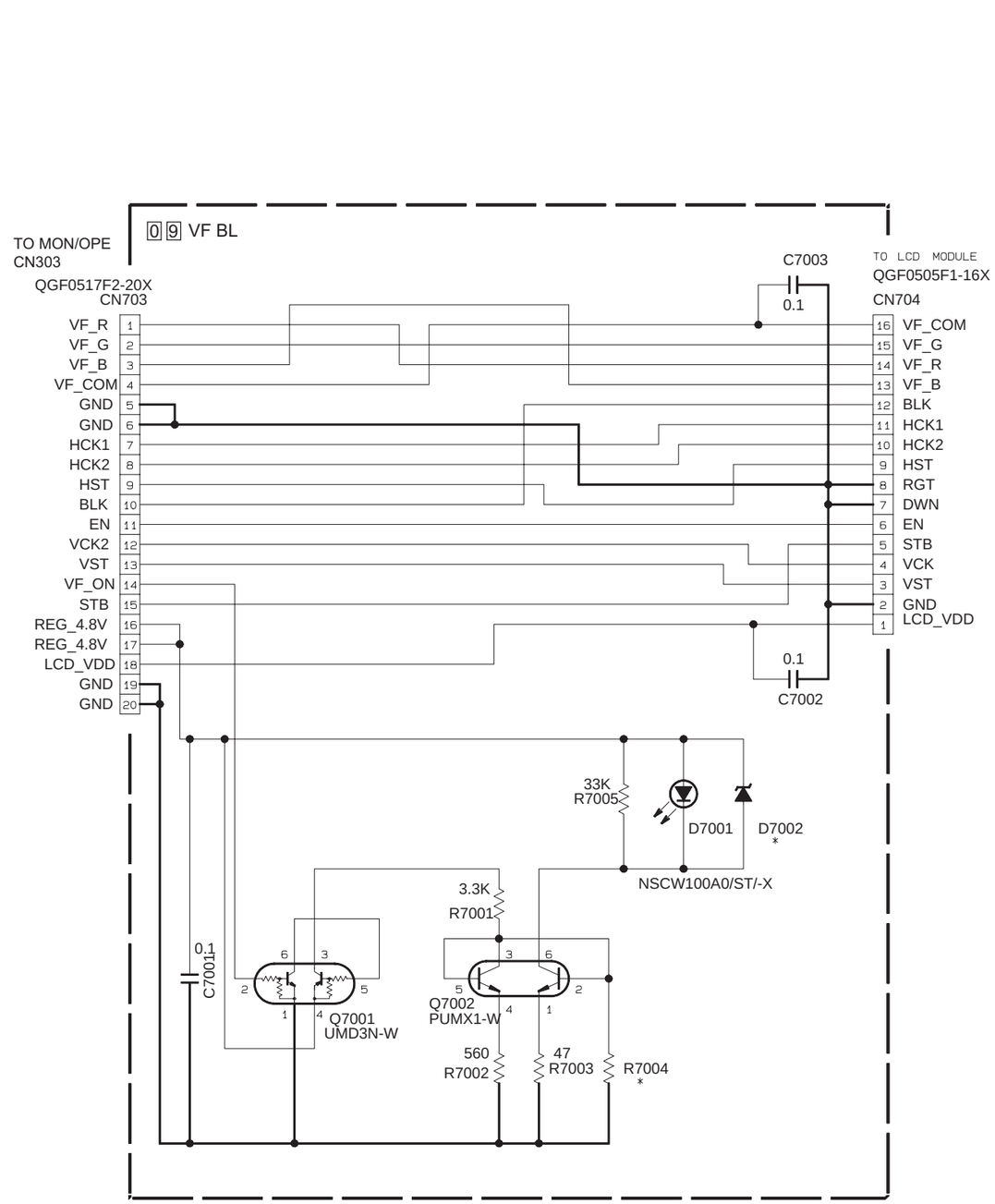
y20247001a_rev0.1

■ MON BL SCHEMATIC DIAGRAM



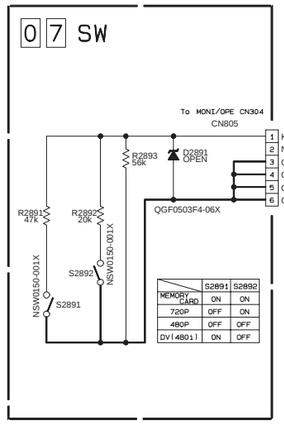
y30224001a_rev0.1

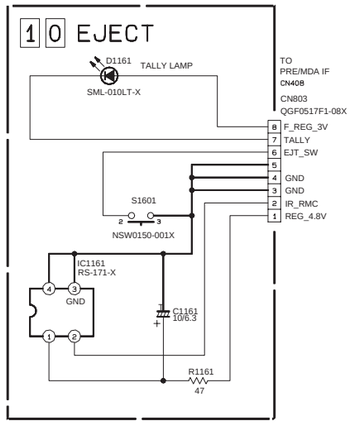
■ VF BL SCHEMATIC DIAGRAM

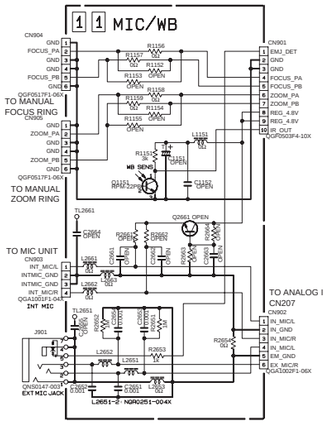


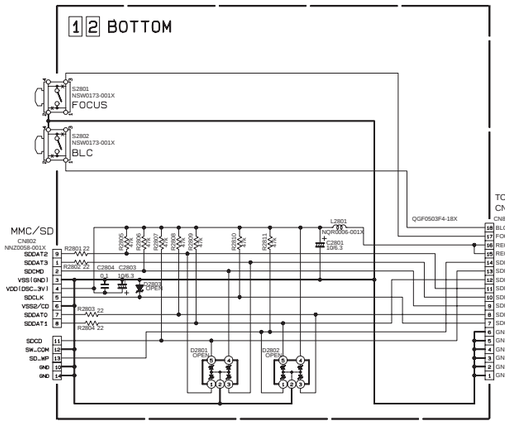
y30223001a_rev0.1

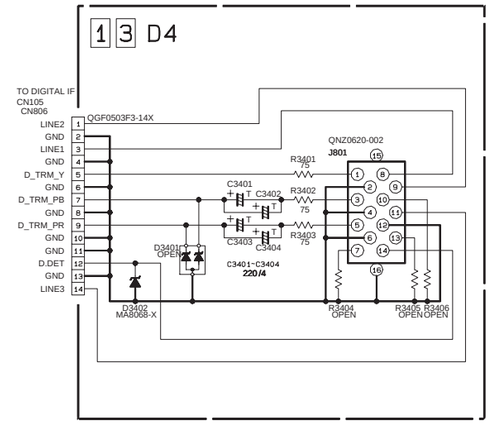
■ ELE.OTHER(CONNECT,SW,EJECT,MIC/WB,BOTTOM,D4,GYRO,REAR,POWER OPERATION,ZOOM UNIT) SCHEMATIC DIAGRAMS

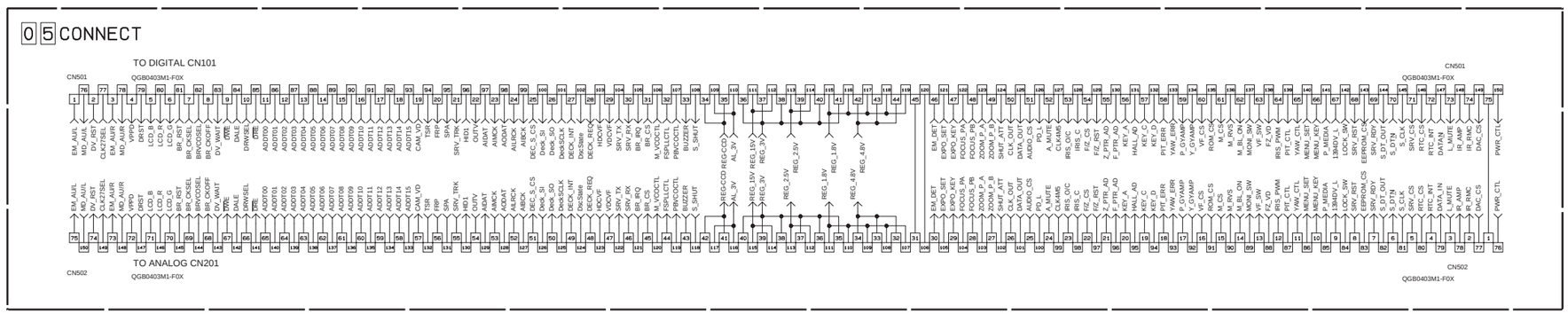






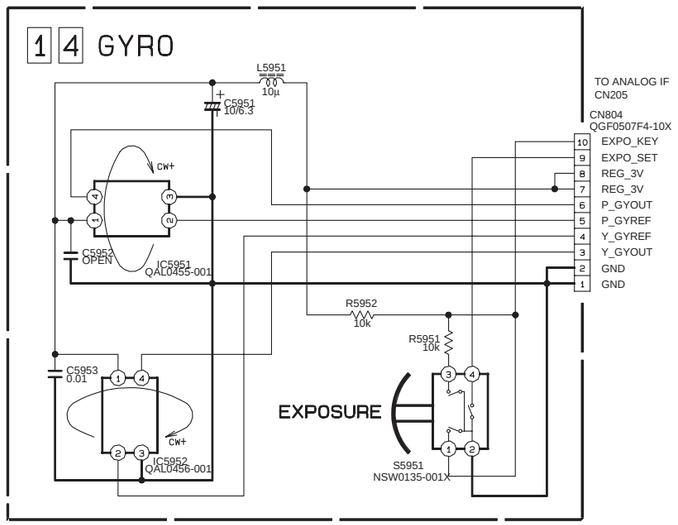


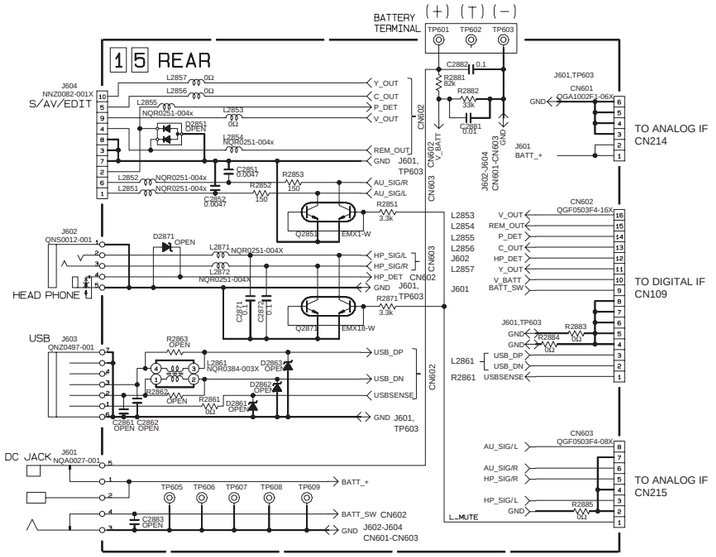




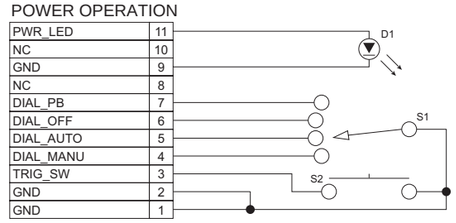
PWB BLOCK No.

01	DIGITAL	PWB
02	ANALOG	PWB
03	CCD	PWB
04	PRE/MDA	PWB
05	**CONNECT**	**PWB**
06	MONI/OPE	PWB
07	**SW**	**PWB**
08	MONI_BL	PWB
09	VF_BL	PWB
10	**EJECT**	**PWB**
11	**MIC/WB**	**PWB**
12	**BOTTOM**	**PWB**
13	**D4**	**PWB**
14	**GYRO**	**PWB**
15	**REAR**	**PWB**

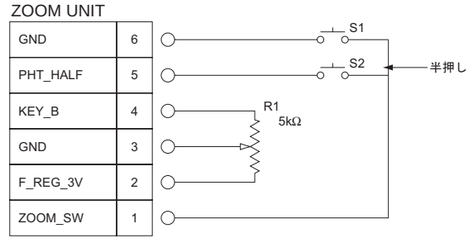




POWER OPERATION



ZOOM UNIT



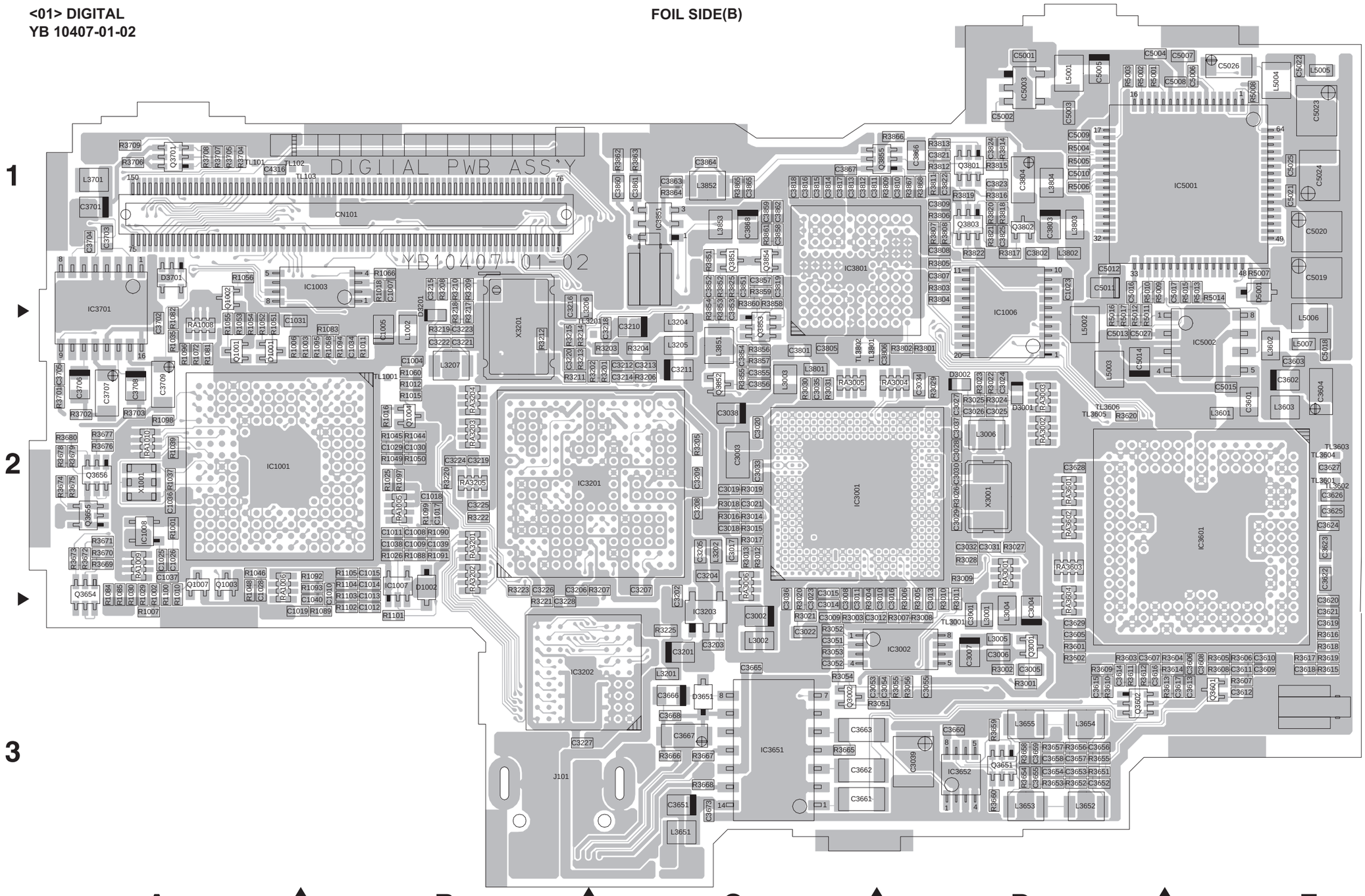
NOTE: · The schematic diagram is only for reference. Avoid replacing individual parts. Replace the entire unit only.

y10353001a_rev0.1

■ DIGITAL CIRCUIT BOARD

<01> DIGITAL
YB 10407-01-02

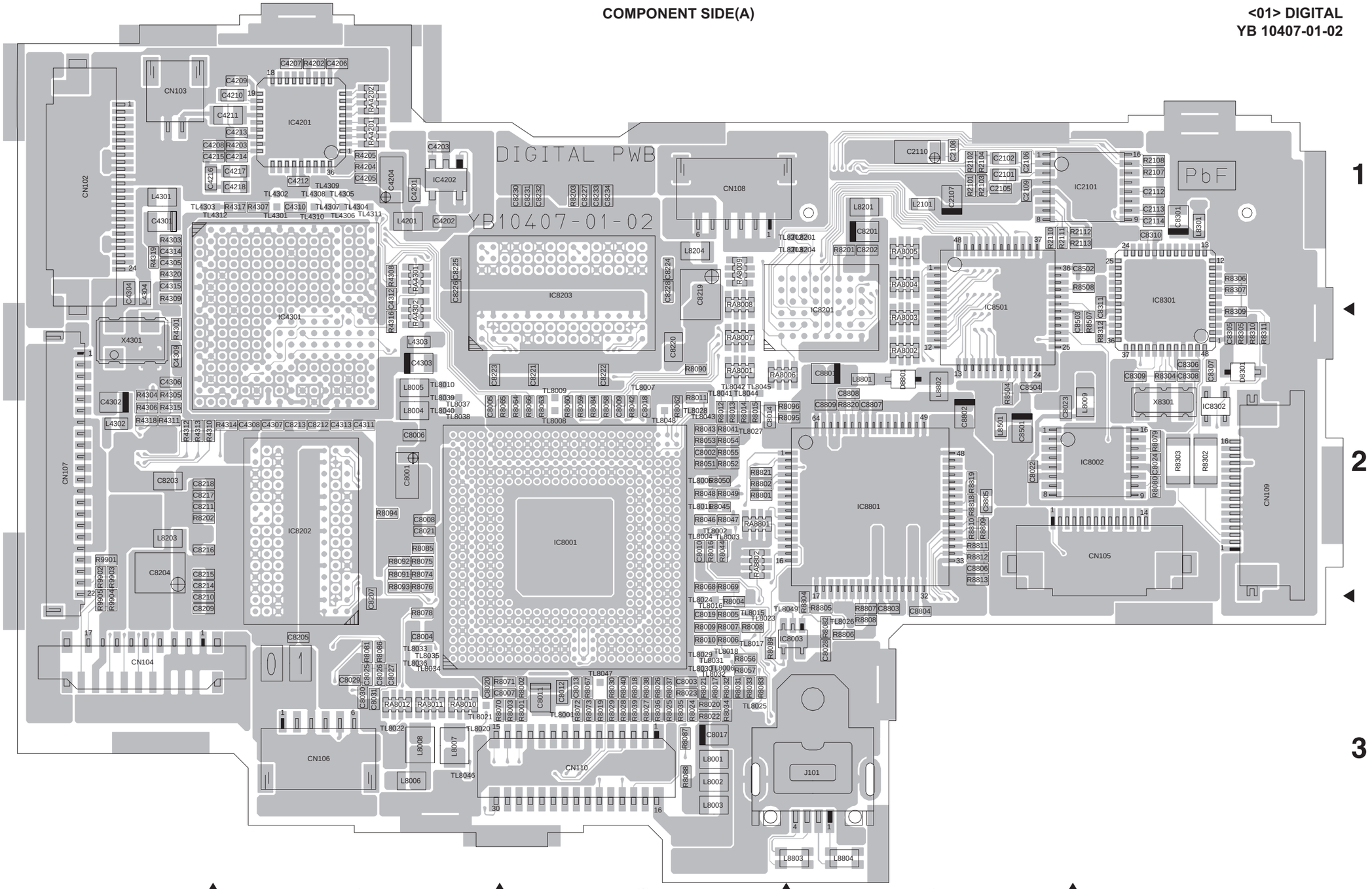
FOIL SIDE(B)



■ DIGITAL CIRCUIT BOARD

COMPONENT SIDE(A)

<01> DIGITAL
YB 10407-01-02



COMPONENT PARTS LOCATION GUIDE <DIGITAL> YB10407-01-02

REF.NO.	LOCATION
CAPACITOR	
C1004	B C 2B
C1005	B C 2B
C1007	B C 1B
C1008	B C 2B
C1009	B C 2B
C1010	B C 2B
C1011	B C 2B
C1012	B C 3B
C1013	B C 2B
C1014	B C 2B
C1015	B C 2B
C1017	B C 2B
C1018	B C 2B
C1019	B C 3A
C1023	B C 1D
C1025	B C 2A
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C1037	B C 2A
C1038	B C 2B
C1039	B C 2B
C1040	B C 3B
C2101	A C 1B
C2102	A C 1B
C2105	A C 1B
C2106	A C 1B
C2107	A C 1B
C2108	A C 1B
C2109	A C 1B
C2110	A C 1B
C2112	A C 1A
C2113	A C 1A
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C3013	B C 3D
C3014	B C 3C
C3015	B C 2C
C3016	B C 3D
C3017	B C 2C
C3018	B C 2C
C3019	B C 2C
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C3034	B C 2D
C3035	B C 2C
C3036	B C 3C
C3037	B C 2D
C3038	B C 2C
C3039	B C 3D
C3051	B C 3C
C3052	B C 3C
C3053	B C 3C
C3054	B C 3D
C3055	B C 3D
C3201	B C 3C
C3202	B C 2C
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C3213	B C 2C
C3214	B C 2C
C3215	B C 1B
C3216	B C 1B
C3218	B C 2C
C3219	B C 2B
C3220	B C 2B
C3221	B C 2B
C3222	B C 2B
C3223	B C 2B
C3224	B C 2B
C3225	B C 2B
C3226	B C 2B
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C3603	B C 2E
C3604	B C 2E
C3605	B C 3D
C3606	B C 3E
C3607	B C 3D
C3608	B C 3E

REF.NO.	LOCATION
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C3611	B C 3E
C3612	B C 3E
C3613	B C 3E
C3614	B C 3D
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C3618	B C 3E
C3619	B C 3E
C3620	B C 3E
C3621	B C 3E
C3622	B C 2E
C3623	B C 2E
C3624	B C 2E
C3625	B C 2E
C3626	B C 2E
C3627	B C 2E
C3628	B C 2D
C3629	B C 3D
C3651	B C 3C
C3652	B C 3D
C3653	B C 3D
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C3665	B C 3C
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C3668	B C 3C
C3673	B C 3C
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C3702	B C 2A
C3703	B C 1A
C3704	B C 1A
C3705	B C 2A
C3706	B C 2A
C3707	B C 2A
C3708	B C 2A
C3709	B C 2A
C3801	B C 2C
C3802	B C 1D
C3803	B C 1D
C3804	B C 1D
C3805	B C 2C
C3806	B C 2D
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C3864	B C 1C
C3865	B C 1C
C3866	B C 1D
C3867	B C 1C
C3868	B C 1C
C4201	A C 1D
C4202	A C 1D
C4203	A C 1D
C4204	A C 1D
C4205	A C 1D
C4206	A C 1D
C4207	A C 1D
C4208	A C 1D
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C4212	A C 1D
C4213	A C 1D
C4214	A C 1D
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C4302	A C 2E
C4303	A C 2D
C4304	A C 1E
C4305	A C 1E
C4306	A C 2E
C4307	A C 2D
C4308	A C 2D
C4309	A C 2E
C4310	A C 1D

REF.NO.	LOCATION
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C4312	A C 1D
C4313	A C 2D
C4314	A C 1E
C4315	A C 1E
C4316	B C 1A
C5001	B C 1D
C5002	B C 1D
C5003	B C 1D
C5004	B C 1D
C5005	B C 1D
C5006	B C 1E
C5007	B C 1E
C5008	B C 1E
C5009	B C 1D
C5010	B C 1D
C5011	B C 1D
C5012	B C 1D
C5013	B C 2D
C5014	B C 2D
C5015	B C 2E
C5016	B C 1D
C5017	B C 1E
C5018	B C 2E
C5019	B C 1E
C5020	B C 1E
C5021	B C 1E
C5022	B C 1E
C5023	B C 1E
C5024	B C 1E
C5025	B C 1E
C5026	B C 1E
C5027	B C 2D
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C8002	A C 2C
C8003	A C 3C
C8004	A C 3D
C8005	A C 2D
C8006	A C 2D
C8007	A C 3C
C8008	A C 2D
C8009	A C 2C
C8010	A C 2C
C8011	A C 3C
C8012	A C 3C
C8013	A C 3C
C8014	A C 2C
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C8019	A C 3C
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C8026	A C 3D
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C8030	A C 3D
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C8220	A C 2C
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C8222	A C 2C
C8223	A C 2D
C8224	A C 1C
C8225	A C 1D
C8226	A C 1D
C8227	A C 1C
C8228	A C 1C
C8230	A C 1C
C8231	A C 1C
C8232	A C 1C
C8233	A C 1C
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C8307	A C 2A
C8308	A C 2A
C8309	A C 2A
C8310	A C 1A
C8311	A C 1A
C8501	A C 2B
C8502	A C 1A
C8503	A C 2A
C8504	A C 2B
C8801	A C 2B
C8802	A C 2B
C8803	A C 3B
C8804	A C 3B
C8805	A C 2B
C8806	A C 2B
C8807	A C 2B
C8808	A C 2B
C8809	A C 2B
CONNECTOR	
CN101	B C 1B
CN102	A C 1E

REF.NO.	LOCATION
CN103	A C 1E
CN104	A C 3E
CN105	A C 2A
CN106	A C 3D
CN107	A C 2E
CN108	A C 1C
CN109	A C 2A
CN110	A C 3C
DIODE	
D1001	B C 2A
D1002	B C 2B
D3001	B C 2D
D3002	B C 2D
D3201	B C 2B
D3651	B C 3C
D3701	B C 1A
D5001	B C 1E
D8301	A C 2A
D8801	A C 2B
IC	
IC1001	B C 2A
IC1003	B C 1B
IC1006	B C 2D
IC1007	B C 2B
IC1008	B C 2A
IC2101	A C 1A
IC3001	B C 2C
IC3002	B C 3D
IC3201	B C 2B
IC3202	B C 3B
IC3203	B C 3C
IC3601	B C 2E
IC3651	B C 3C
IC3652	B C 3D
IC3701	B C 1A
IC3801	B C 1C
IC3851	B C 1C
IC4201	A C 1D
IC4202	A C 1D
IC4301	A C 2D
IC5001	B C 1E
IC5002	B C 2E
IC5003	B C 1D
IC8001	A C 2C
IC8002	A C 2A
IC8003	A C 3B
IC8201	A C 1B
IC8202	A C 2D
IC8203	A C 1C
IC8301	A C 1A
IC8302	A C 2A
IC8501	A C 1B
IC8801	A C 2B
COIL	
L1002	B C 2B
L2101	A C 1B
L3001	B C 3D
L3002	B C 3C
L3003	B C 2C
L3004	B C 3D
L3005	B C 3D
L3006	B C 2D
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L3205	B C 2C
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L3207	B C 2B
L3601	B C 2E
L3602	B C 2E
L3603	B C 2E
L3651	B C 3C
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L3653	B C 3D
L3654	B C 3D
L3655	B C 3D
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L3801	B C 2C
L3802	B C 1D
L3803	B C 1D
L3804	B C 1D
L3851	B C 2C
L3852	B C 1C
L3853	B C 1C
L4201	A C 1D
L4301	A C 1E
L4302	A C 2E
L4303	A C 2D
L4304	A C 1E
L5001	B C 1D
L5002	B C 2D
L5003	B C 2D
L5004	B C 1E
L5005	B C 1E
L5006	B C 2E
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L8003	A C 3C
L8004	A C 2D
L8005	A C 2D
L8006	A C 3D
L8007	A C 3D
L8008	A C 3D
L8009	A C 2A
L8201	A C 1B
L8203	A C 2E
L8204	A C 1C
L8301	A C 1A
L8501	A C 2B
L8801	A C 2B
L8802	A C 2B
L8803	A C 3B
L8804	A C 3B

REF.NO.	LOCATION
TRANSISTOR	
Q1001	B C 2A
Q1002	B C 1A
Q1003	B C 2A
Q1004	B C 2B
Q1007	B C 2A
Q3001	B C 3D
Q3002	B C 3C
Q3601	B C 3E
Q3602	B C 3D
Q3651	B C 3D
Q3654	B C 2A
Q3655	B C 2A
Q3656	B C 2A
Q3701	B C 1A
Q3801	B C 1D
Q3802	B C 1D
Q3803	B C 1D
Q3851	B C 1C
Q3852	B C 2C
Q3853	B C 2C
Q3854	B C 1C
Q3855	B C 1D
RESISTOR	
R1001	B C 2A
R1002	B C 2A
R1003	B C 2B
R1006	B C 2A
R1007	B C 3A
R1010	B C 2A
R1011	B C 2B
R1012	B C 2B
R1015	B C 2B
R1016	B C 2B
R1018	B C 1B
R1025	B C 2B
R1026	B C 2B
R1029	B C 2A
R1030	B C 2A
R1035	B C 2A
R1037	B C 2A
R1039	B C 2A
R1044	B C 2B
R1045	B C 2B
R1046	B C 2A
R1048	B C 2A
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R1050	B C 2B
R1051	B C 2A
R1052	B C 2A
R1053	B C 2A
R1054	B C 2A
R1055	B C 2A
R1056	B C 1A
R1058	B C 2B
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R1066	B C 1B
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R1081	B C 2A
R1082	B C 2A
R1083	B C 2B
R1084	B C 2A
R1085	B C 2A
R1088	B C 2B
R1089	B C 3B
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R1091	B C 2B
R1092	B C 2B
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R3021	B C 3C
R3022	B C 2D
R3023	B C 2D
R3024	B C 2D
R3025	B C 2D
R3026	B C 2D

REF.NO.	LOCATION
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R3031	B C 2C
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R3052	B C 3C
R3053	B C 3C
R3054	B C 3C
R3055	B C 3D
R3056	B C 3D
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R3202	B C 2C
R3203	B C 2C
R3204	B C 2C
R3205	B C 2C
R3206	B C 2C
R3207	B C 2C
R3208	B C 1B
R3209	B C 1B
R3210	B C 1B
R3211	B C 2B
R3212	B C 2B
R3213	B C 2B
R3214	B C 2B
R3215	B C 2B
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R3852	B C 1C
R3853	B C 1C
R3854	B C 1C
R3855	B C 2C
R3856	B C 2C
R3857	B C 2C

REF.NO.	LOCATION
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R3859	B C 1C
R3860	B C 1C
R3861	B C 1C
R3862	B C 1C
R3863	B C 1C
R3864	B C 1C
R3865	B C 1C
R3866	B C 1D
R3867	B C 1D
R3868	B C 1D
R4202	A C 1D
R4203	A C 1D
R4204	A C 1D
R4205	A C 1D
R4301	A C 2E
R4303	A C 1E
R4304	A C 2E
R4305	A C 2E
R4306	A C 2E
R4307	A C 1D
R4308	A C 1D
R4309	A C 1E
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R4313	A C 2E
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R8060	A C 2C
R8062	A C 2C
R8063	A C 2C
R8064	A C 2C
R8065	A C 2C
R8066	A C 2C
R8067	A C 3C
R8068	A C 2C

REF.NO.	LOCATION
R8069	A C 2C
R8070	A C 3C
R8071	A C 3C
R8072	A C 3C
R8073	A C 3C
R8074	A C 2D
R8075	A C 2D
R8076	A C 2D
R8078	A C 3D
R8079	A C 2A
R8080	A C 2A
R8081	A C 3D
R8082	A C 3B
R8083	A C 3C
R8084	A C 2C
R8085	A C 2D
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R8087	A C 3C
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R8093	A C 2D
R8094	A C 2D
R8095	A C 2B
R8096	A C 2B
R8201	A C 1B
R8202	A C 2E
R8203	A C 1C
R8302	A C 2A
R8303	A C 2A
R8304	A C 2A
R8305	A C 2A
R8306	A C 1A
R8307	A C 1A
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R8504	A C 2B
R8507	A C 2A
R8508	A C 1A
R8801	A C 2C
R8802	A C 2C
R8804	A C 3B
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R8809	A C 2B
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RA3006	B C 2C
RA3201	B C 2B
RA3202	B C 2B
RA3203	B C 2B
RA3204	B C 2B
RA3205	B C 2B
RA3601	B C 2D
RA3602	B C 2D
RA3603	B C 2D
RA3604	B C 3D
RA4201	A C 1D
RA4202	A C 1D
RA4301	A C 1D
RA4302	A C 2D
RA8001	A C 2C
RA8002	A C 2B
RA8003	A C 2B
RA8004	A C 1B
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RA8009	A C 1C
RA8010	A C 3D
RA8011	A C 3D
RA8012	A C 3D
RA8801	A C 2C
RA8802	A C 2C
OTHER	
J101	A D 3B
TL101	B C 1A
TL102	B C 1A
TL103	B C 1B
TL1001	B C 2B
TL3001	B C 3D
TL3201	B C 2C
TL3601	B C 2E
TL3602	B C 2E
TL3603	B C 2E
TL3604	B C 2E
TL3605	B C 2D
TL3606	B C 2D
TL3801	B C 2C

REF.NO.	LOCATION
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TL4301	A C 1D
TL4302	A C 1D
TL4303	A C 1E
TL4304	A C 1D
TL4305	A C 1D
TL4306	A C 1D
TL4307	A C 1D
TL4308	A C 1D
TL4309	A C 1D
TL4310	A C 1D
TL4311	A C 1D
TL4312	A C 1D
TL8001	A C 3C
TL8002	A C 2C
TL8003	A C 2C
TL8004	A C 2C
TL8005	A C 2C
TL8006	A C 3C
TL8007	A C 2C
TL8008	A C 2C
TL8009	A C 2C
TL8010	A C 2D
TL8011	A C 2C
TL8015	A C 3C
TL8016	A C 3C
TL8017	A C 3C
TL8018	A C 3C
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TL8022	A C 3D
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TL8043	A C 2C
TL8044	A C 2C
TL8045	A C 2C
TL8046	A C 3D
TL8047	A C 3C
TL8048	A C 2C
TL8049	A C 3B
TL8201	A C 1B
TL8202	A C 1B
TL8203	A C 1B
TL8204	A C 1B
TP101	B C 1C
TP102	B C 3E
X1001	B C 2A
X3001	B C 2D
X3201	B C 2B
X4301	A C 2E
X8301	A C 2A

COMPONENT PARTS LOCATION GUIDE <ANALOG> YB10408-01-01

REF.NO.	LOCATION
CAPACITOR	
C201	B C 1B
C1301	B C 1A
C1302	B C 1A
C1303	B C 1A
C1311	B C 1A
C1312	B C 1B
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C1402	A C 2B
C1403	A C 2B
C1404	A C 2B
C1405	A C 2B
C1406	A C 2B
C1407	A C 2B
C1408	A C 2C
C1409	A C 2B
C1410	A C 2B
C1411	A C 2B
C1412	A C 3B
C1413	A C 3B
C1414	A C 3B
C1415	A C 3B
C1416	A C 3B
C1417	A C 2B
C1418	A C 2B
C2201	B C 1D
C2202	B C 2D
C2203	B C 2D
C2204	B C 2D
C2205	B C 2D
C2206	B C 2D
C2207	B C 1D
C2208	B C 2D
C2209	B C 1D
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C2219	B C 1D
C2220	B C 1D
C2221	B C 1D
C2222	B C 1D
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C2618	B C 1E
C2619	B C 1E
C2620	B C 1D
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C4809	A C 3D
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C5801	A C 1C
C5802	A C 1C
C5803	A C 2C
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C5806	A C 1C

REF.NO.	LOCATION
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C5809	A C 1C
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C5811	A C 1D
C5812	A C 1D
C5813	A C 2C
C5814	A C 1D
C5815	A C 1C
C5816	A C 2C
C5817	A C 2C
C5818	A C 2C
C5819	A C 2C
C5820	A C 1D
C5821	A C 1D
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C5835	A C 2B
C5836	A C 1B
C5837	A C 1B
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C6143	B C 2C
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C6145	B C 2C
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C6150	B C 2B
C7301	A C 1B
C7302	A C 1B
C7303	A C 1C
C7304	A C 1B
C7305	A C 1C
CONNECTOR	
CN201	A C 1B
CN202	A C 3D
CN203	A C 1E
CN205	A C 2D
CN206	A C 1E
CN207	A C 1D
CN208	A C 1C
CN209	A C 1B
CN210	A C 1E
CN211	A C 2E

REF.NO.	LOCATION
CN212	B C 2E
CN213	A C 3E
CN214	A C 2A
CN215	A C 3A
DIODE	
D2201	B C 2D
D2202	B C 2D
D2203	B C 1C
D2204	B C 1C
D2205	B C 1C
D2206	B C 1C
D2601	B C 1D
D2602	B C 1D
D2701	A C 3A
D2702	A C 3A
D2703	A C 3A
D2704	A C 3A
D3101	A C 3B
D6001	B C 3B
D6101	B C 3B
D6102	B C 2B
D6103	B C 2C
D6104	B C 2C
D6105	B C 3C
IC	
IC201	B C 1B
IC1301	B C 1A
IC1401	A C 2B
IC2201	B C 1D
IC3101	A C 3C
IC4802	A C 3D
IC4803	A C 3D
IC4804	A C 3D
IC4807	A C 2D
IC4851	A C 3C
IC5801	A C 1C
IC5802	A C 1D
IC5803	A C 2C
IC5804	A C 2C
IC5805	A C 1D
IC5806	A C 2D
IC5901	B C 2D
IC6001	B C 2B
IC6002	B C 3B
IC6101	B C 3B
IC6102	B C 2C
IC6103	B C 2C
COIL	
L1301	B C 1A
L1401	A C 2B
L2401	B C 2D
L2402	B C 2C
L2601	B C 1D
L2602	B C 1D
L2603	B C 1D
L2604	B C 1D
L3101	A C 3C
L4802	A C 2C
L4851	A C 2C
L4852	A C 2C
L4853	A C 2D
L5801	A C 1C
L5802	A C 2C
L5901	B C 2D
L6001	B C 2B
L6101	B C 2B
L6102	B C 2A
L6103	B C 2C
L6104	B C 3C
L6105	B C 3D
L6106	B C 3D
L6107	B C 2D
L6108	B C 2D
L6109	B C 2C
L6110	B C 3C
L6111	B C 2B
L7301	A C 1B
L7302	A C 1C
L7303	A C 1B
L7304	A C 1C
TRANSISTOR	
Q1401	A C 2B
Q1402	A C 2B
Q1403	A C 2C
Q2201	B C 2D
Q2202	B C 1D
Q2401	B C 2D
Q2402	B C 2C
Q2403	B C 1C
Q2601	B C 1E
Q2602	B C 1E
Q2701	A C 3B
Q2702	A C 3B
Q4801	A C 3D
Q4802	A C 2D
Q4803	A C 3D
Q4804	A C 3D
Q4805	A C 3D
Q4806	A C 3D
Q4851	A C 3C
Q5801	A C 2D
Q6001	B C 2B
Q6002	B C 2B
Q6003	B C 2B
Q6004	B C 2B
Q6005	B C 3B
Q6101	B C 3C
Q6102	B C 3C
Q6103	B C 3D
Q6104	B C 3D
Q6105	B C 2D
Q6106	B C 2C
Q6107	B C 3C
Q7301	A C 1C

REF.NO.	LOCATION
Q7302	A C 1C
RESISTOR	
R201	A C 1A
R202	A C 1A
R203	A C 2A
R204	B C 1A
R1301	B C 1A
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R1307	B C 1A
R1308	B C 1B
R1309	B C 1A
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R1402	A C 3B
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R1430	A C 2B
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R1433	A C 2B
R1434	A C 2C
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R2706	A C 3B
R2707	A C 3B
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R2709	A C 3B
R2710	A C 3B

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R4867	A C 3C
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R5803	A C 2C
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R5853	A C 2D
R5854	A C 2D
R5855	A C 1D
R5856	A C 2D

REF.NO.	LOCATION
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R5859	A C 1D
R5860	A C 1D
R5861	A C 1D
R5862	A C 2D
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R5912	B C 2D
R6001	B C 2B
R6002	B C 2B
R6003	B C 2B
R6004	B C 2B
R6005	B C 2B
R6006	B C 2B
R6007	B C 2B
R6008	B C 3B
R6010	B C 3B
R6011	B C 2B
R6012	B C 2B
R6013	B C 2B
R6101	B C 3B
R6102	B C 3B
R6103	B C 3B
R6104	B C 3B
R6105	B C 3B
R6106	B C 3B
R6107	B C 3B
R6108	B C 3B
R6109	B C 3B
R6110	B C 3B
R6111	B C 3B
R6112	B C 3B
R6113	B C 3B
R6114	B C 3B
R6115	B C 3B
R6116	B C 3B
R6117	B C 3C
R6118	B C 3B
R6119	B C 3B
R6120	B C 3C
R6121	B C 3C
R6122	B C 3C
R6123	B C 3C
R6124	B C 3C
R6125	B C 3C
R6126	B C 3C
R6127	B C 3C
R6128	B C 3C
R6129	B C 3C
R6130	B C 3C
R6131	B C 3D
R6132	B C 3D
R6133	B C 3C
R6134	B C 3D
R6135	B C 3D
R6136	B C 3D
R6137	B C 2C
R6138	B C 2C
R6139	B C 3C
R6140	B C 2C
R6141	B C 2C
R6142	B C 2C
R6143	B C 2C
R6144	B C 2C
R6145	B C 2C
R6146	B C 3B
R6147	B C 2B
R7301	A C 1C
R7302	A C 1B
R7303	A C 1C
R7304	A C 1C
R7305	A C 1B
R7306	A C 1C
R7308	A C 1C
R7310	A C 1C

REF.NO.	LOCATION
R7311	A C 1C
RA1401	A C 2C
RA1402	A C 2B
RA1403	A C 2B
RA1404	A C 2B
RA1405	A C 2B
OTHER	
BT6001	B C 2A
F6001	B C 2B
F6101	A C 2A
F6102	B C 2C
F6103	B C 2D
F6104	A C 2D
F6105	B C 3C
PC07	A C 1A
PC08	A C 7A
PC09	A C 6E
TL201	A C 2A
TL202	A C 1A
TL203	A C 1B
TL204	A C 2B
TL1401	A C 3B
TL1402	A C 3B
TL1403	A C 3B
TL1404	A C 2B
TL1405	A C 2B
TL1406	A C 3B
TL1407	A C 2B
TL1412	A C 2B
TL1413	A C 2B
TL1414	A C 2B
TL1415	A C 2B
TL1416	A C 2B
TL1417	A C 2B
TL1418	A C 2B
TL1419	A C 2B
TL1421	A C 2B
TL1424	A C 2B
TL1425	A C 2B
TL1426	A C 2B
TL4801	A C 3D
TL5800	A C 1E
TL5801	A C 1E
TL5802	A C 1E
TL5803	A C 1E
TL5804	A C 2C
TL5805	A C 1C
TM1	A C 1A
TM2	A C 7A
TM3	A C 6E
TM4	A C 2E
X201	B C 1B
X1401	A C 3B

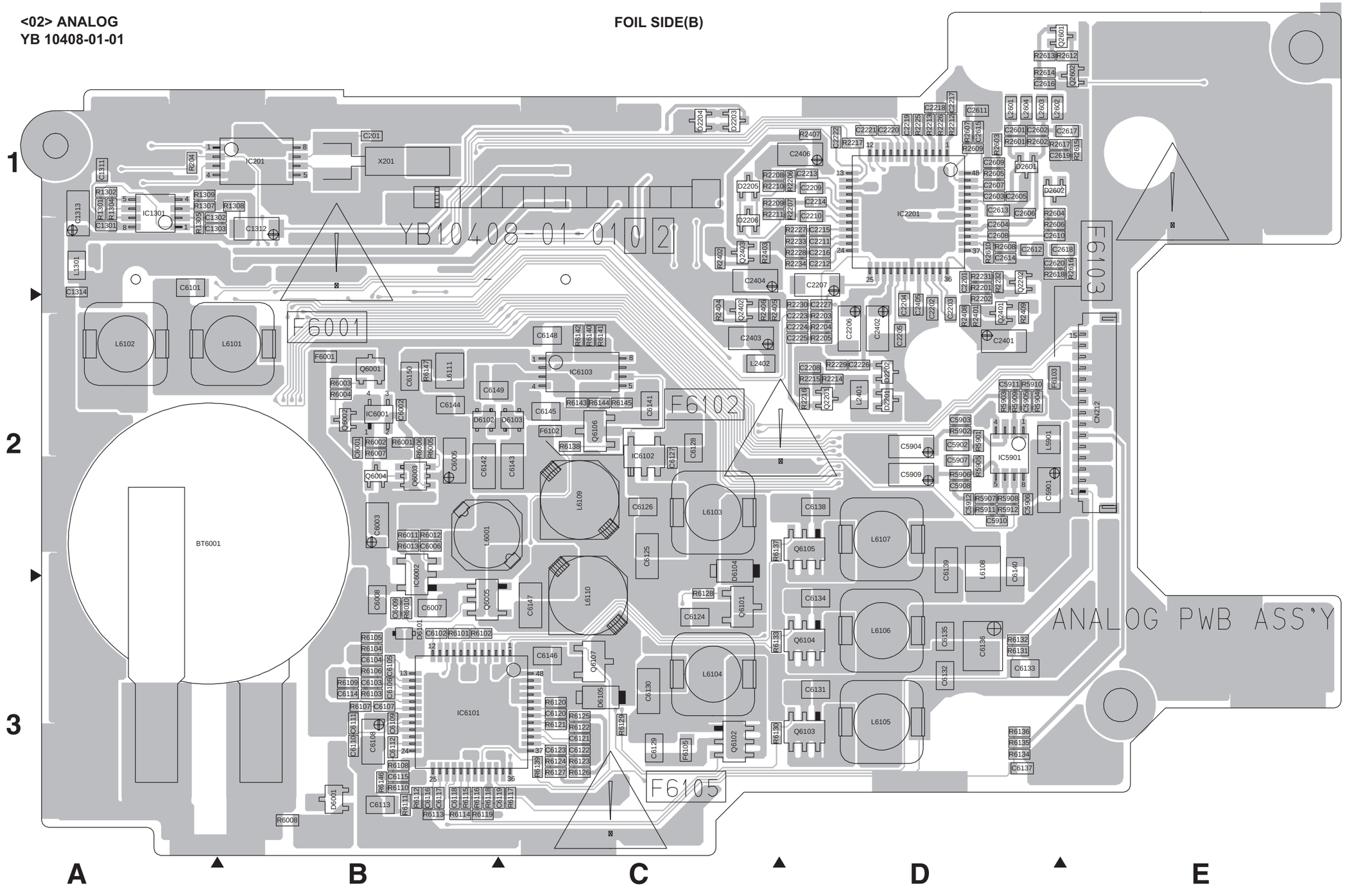
■ ANALOG CIRCUIT BOARD

• CAUTION:
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD ,REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S).

• ATTENTION:
POUR UNE PROTECTION PERMANENTE CONTRE LES RISQUE D'INCENDE, REMPLACER LES FUSIBLES PAR UN AUTRE DE MEME TYPE ET DE MEME TENSION.

<02> ANALOG
YB 10408-01-01

FOIL SIDE(B)



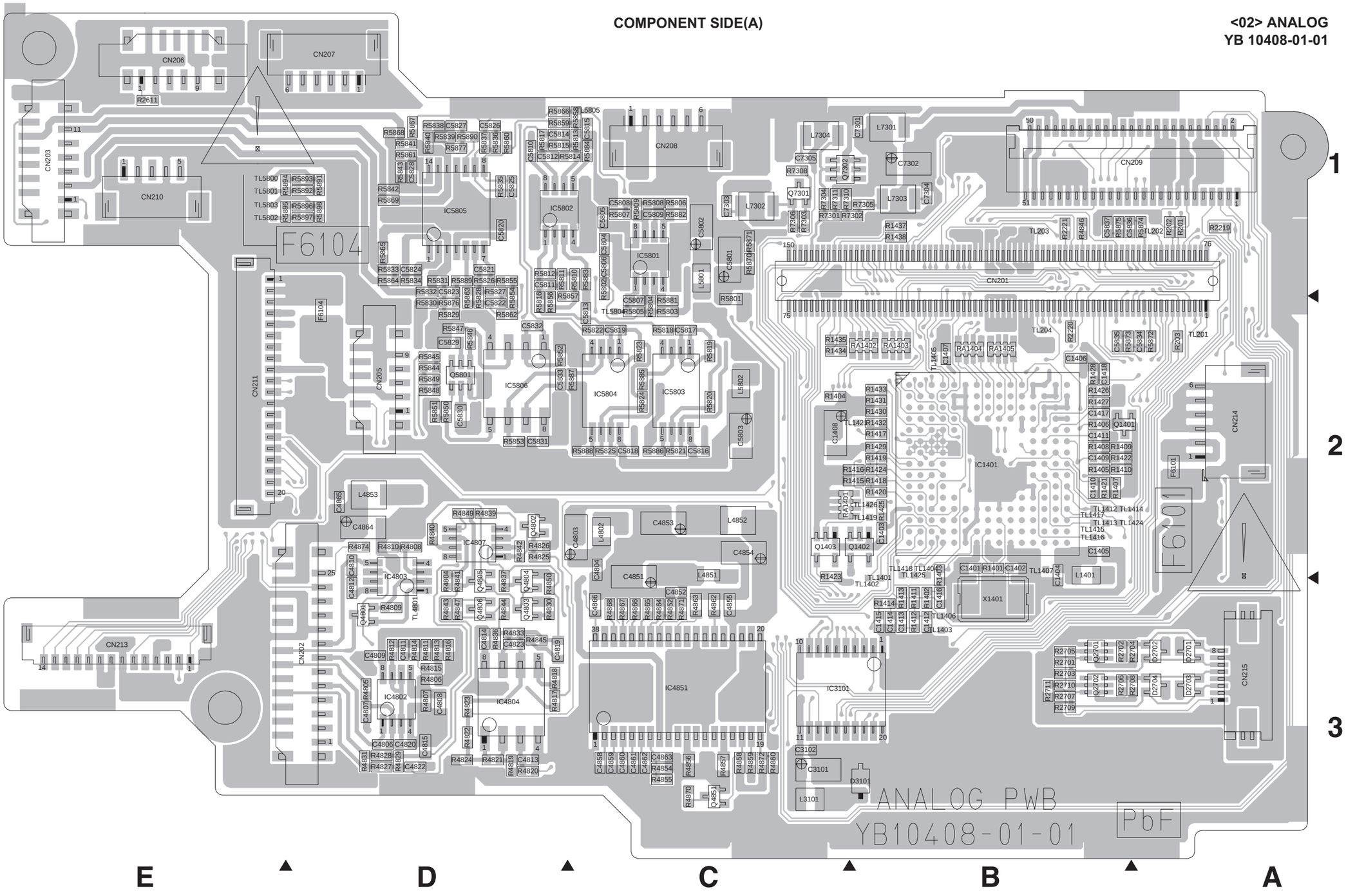
■ ANALOG CIRCUIT BOARD

• CAUTION:
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD ,REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S).

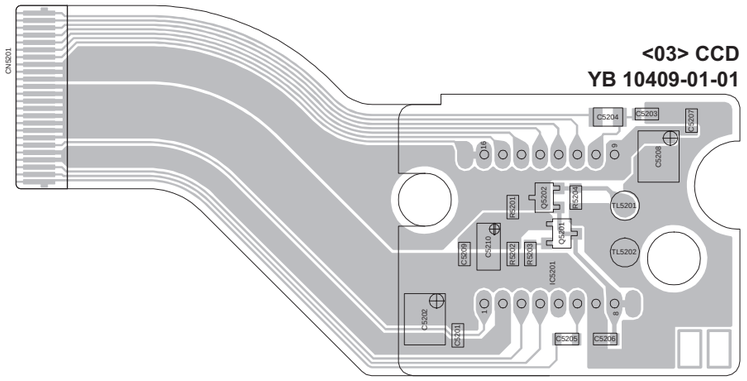
• ATTENTION:
POUR UNE PROTECTION PERMANENTE CONTRE LES RISQUE D'INCENDE, REMPLACER LES FUSIBLES PAR UN AUTRE DE MEME TYPE ET DE MEME TENSION.

COMPONENT SIDE(A)

<02> ANALOG
YB 10408-01-01



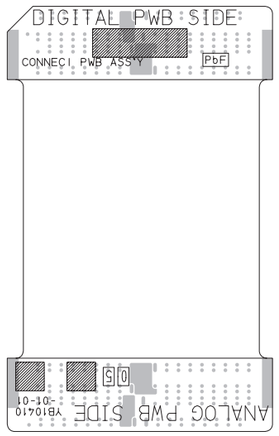
■ CCD CIRCUIT BOARD



<03> CCD
YB 10409-01-01

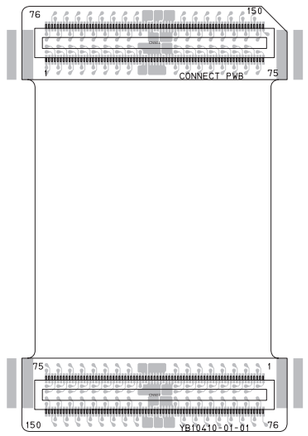
■ CONNECT CIRCUIT BOARD

COMPONENT SIDE(A)



<05> CONNECT
YB 10410-01-01

FOIL SIDE(B)



<05> CONNECT
YB 10410-01-01

COMPONENT PARTS LOCATION GUIDE <PREMDA> YB10411-01-01

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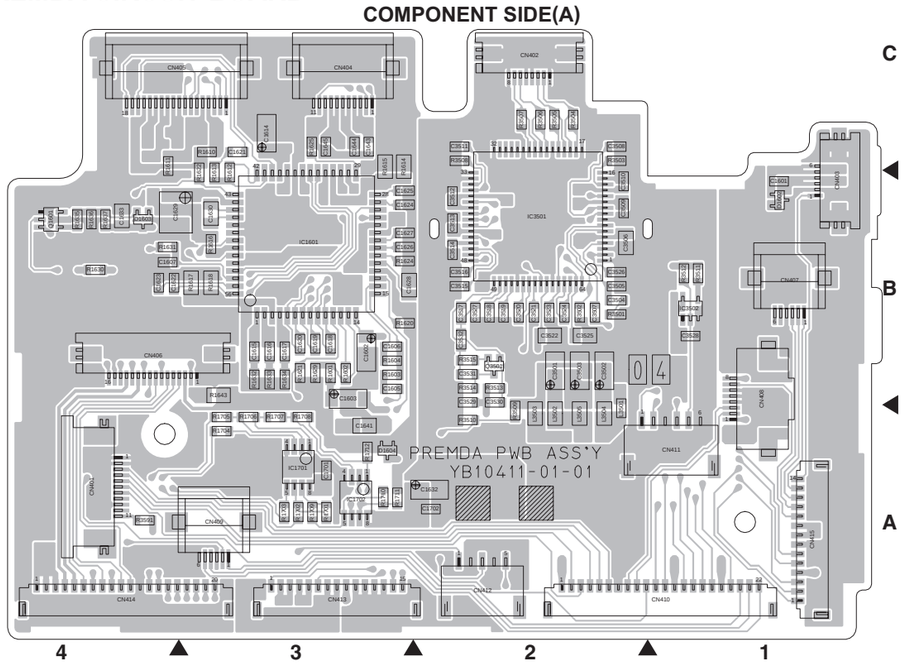
CAPACITOR		C1626	A C 3B	C3507	A C 2B	C3526	A C 2B	CN411	A C 2A	**COIL**		R1613	A C 4C	R1637	A C 4B	R3506	A C 2C
C1601	A C 1B	C1627	A C 3B	C3508	A C 2C	C3527	A C 3B	CN412	A C 2A	L3501	A C 2B	R1614	A C 3C	R1643	A C 4B	R3507	A C 2C
C1602	A C 3B	C1628	A C 3B	C3509	A C 2B	C3528	A C 2B	CN413	A C 3A	L3502	A C 2A	R1615	A C 3C	R1701	A C 3A	R3508	A C 3C
C1603	A C 3B	C1629	A C 4B	C3510	A C 2B	C3529	A C 3B	CN414	A C 4A	L3503	A C 2A	R1616	A C 4B	R1702	A C 3A	R3509	A C 2B
C1605	A C 3B	C1630	A C 4B	C3511	A C 3C	C3530	A C 2B	CN415	A C 1A	L3504	A C 2A	R1617	A C 4B	R1703	A C 3A	R3510	A C 3A
C1606	A C 3B	C1632	A C 3A	C3512	A C 3B	C3531	A C 3B			L3505	A C 2A	R1618	A C 4B	R1704	A C 4A	R3511	A C 2B
C1607	A C 4B	C1633	A C 4B	C3513	A C 3B	C3532	A C 3B	**DIODE**				R1620	A C 3B	R1705	A C 4A	R3512	A C 2B
C1614	A C 3C	C1641	A C 3A	C3514	A C 3B			D1602	A C 1B	**TRANSISTOR**		R1621	A C 3B	R1706	A C 3A	R3513	A C 2B
C1615	A C 3B	C1643	A C 3C	C3515	A C 3B	**CONNECTOR**		D1603	A C 4B	Q1601	A C 4B	R1622	A C 4C	R1707	A C 3A	R3514	A C 3B
C1616	A C 3B	C1644	A C 3C	C3516	A C 3B	CN401	A C 4A	D1604	A C 3A	Q3501	A C 2B	R1624	A C 3B	R1708	A C 3A	R3515	A C 3B
C1617	A C 3B	C1645	A C 3C	C3517	A C 3B	CN402	A C 2C					R1625	A C 3C	R1709	A C 3A	R3591	A C 4A
C1618	A C 3B	C1701	A C 3A	C3518	A C 2B	CN403	A C 1B	**IC**		**RESISTOR**		R1629	A C 3B	R1710	A C 3A		
C1619	A C 3B	C1702	A C 3A	C3519	A C 2B	CN404	A C 3C	IC1601	A C 3B	R1601	A C 3B	R1630	A C 4B	R1711	A C 3A	**OTHER**	
C1620	A C 3B	C3501	A C 2B	C3520	A C 2B	CN405	A C 4C	IC1701	A C 3A	R1602	A C 3B	R1631	A C 4B	R1712	A C 3A	TM1	A C 5C
C1621	A C 4C	C3502	A C 2B	C3521	A C 2B	CN406	A C 4B	IC1702	A C 3A	R1603	A C 3B	R1632	A C 3B	R3501	A C 2B		
C1622	A C 4B	C3503	A C 2B	C3522	A C 2B	CN407	A C 1B	IC3501	A C 2B	R1604	A C 3B	R1633	A C 3B	R3502	A C 2B		
C1623	A C 4B	C3504	A C 2B	C3523	A C 2B	CN408	A C 1B	IC3502	A C 2B	R1610	A C 4C	R1634	A C 3B	R3503	A C 2C		
C1624	A C 3B	C3505	A C 2B	C3524	A C 2B	CN409	A C 4A			R1611	A C 4C	R1635	A C 4B	R3504	A C 2C		
C1625	A C 3B	C3506	A C 2B	C3525	A C 2B	CN410	A C 2A			R1612	A C 4C	R1636	A C 4B	R3505	A C 2C		

■ PREMDA CIRCUIT BOARD

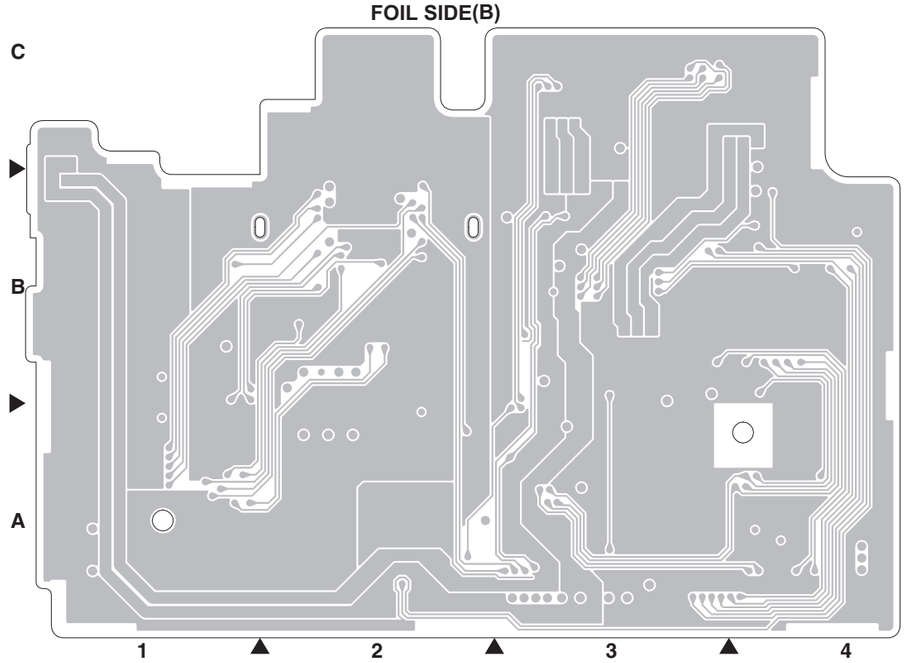
COMPONENT SIDE(A)



<04> PREMDA
YB 10411-01-01

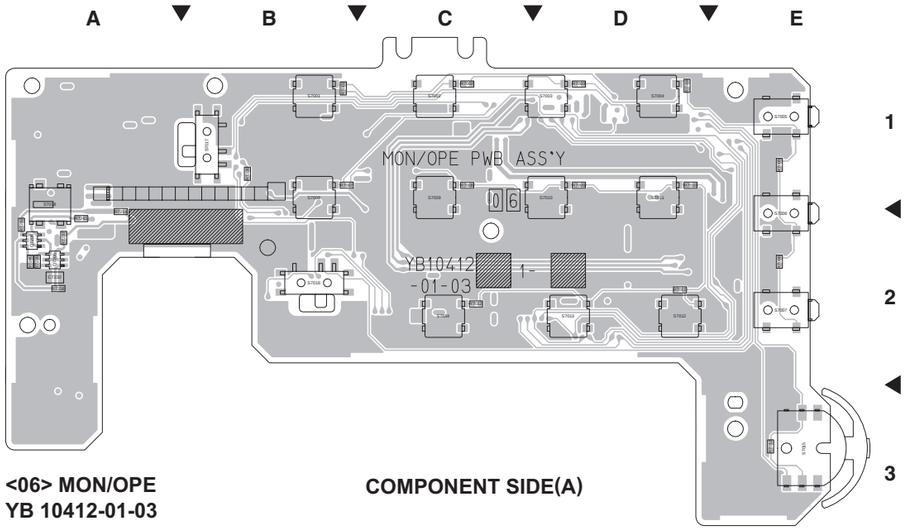
■ PREMDA CIRCUIT BOARD

FOIL SIDE(B)



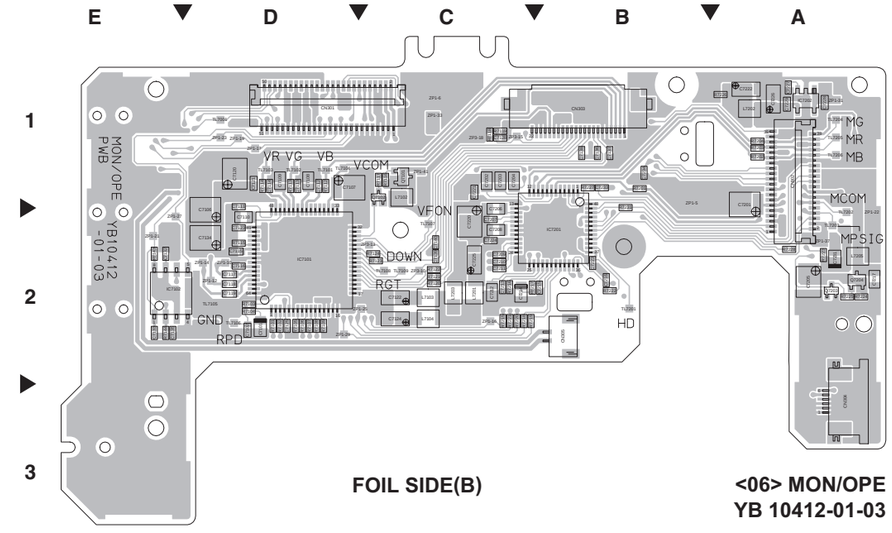
<04> PREMDA
YB 10411-01-01

■ MON/OPE CIRCUIT BOARD



<06> MON/OPE
YB 10412-01-03

COMPONENT SIDE(A)



FOIL SIDE(B)

<06> MON/OPE
YB 10412-01-03

COMPONENT PARTS LOCATION GUIDE <MON/OPE> YB10412-01-03

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR		C7128	A C 1C	C7214	A C 2C	CN304	A C 3A	Q7205	B C 2A	R7107	A C 2D	R7215	A C 2C	**OTHER**		TL7103	A C 1D	ZP1-21	A C 2E
C7101	A C 2D	C7132	A C 2E	C7215	A C 2B	CN305	A C 2B	Q7206	B C 2A	R7108	A C 2D	R7216	A C 2C	PC07	A C 4A	TL7104	A C 1D	ZP1-22	A C 2A
C7102	A C 2D	C7133	A C 2E	C7216	A C 2B					R7109	A C 2D	R7217	A C 2C	S7001	B C 1B	TL7105	A C 2D	ZP1-23	A C 1D
C7106	A C 2D	C7134	A C 2D	C7217	A C 2A	**IC**		**RESISTOR**		R7112	A C 1D	R7218	A C 2C	S7002	B C 1C	TL7106	A C 2D	ZP1-25	A C 2C
C7107	A C 1D	C7135	A C 2E	C7220	A C 2C	IC7101	A C 2D	R7001	B C 1B	R7113	A C 1D	R7219	A C 2C	S7003	B C 1D	TL7107	A C 2C	ZP1-27	A C 2E
C7108	A C 1D	C7136	A C 1B	C7221	A C 1C	IC7102	A C 2E	R7002	B C 1C	R7114	A C 1D	R7220	A C 2C	S7004	B C 1D	TL7108	A C 2C	ZP1-29	A C 2D
C7109	A C 1D	C7137	A C 1B	C7222	A C 1A	IC7201	A C 2B	R7003	B C 1D	R7115	A C 2D	R7221	A C 2C	S7005	B C 1E	TL7109	A C 2C	ZP1-31	A C 1A
C7110	A C 2D	C7138	A C 1B	C7223	A C 2B	IC7202	A C 1A	R7004	B C 1D	R7116	A C 1C	R7222	A C 2B	S7006	B C 2E	TL7201	A C 2B	ZP1-33	A C 1C
C7111	A C 1D	C7139	A C 2C	C7224	A C 2C			R7005	B C 1E	R7117	A C 1C	R7223	A C 2A	S7007	B C 2E	TL7202	A C 2A	ZP1-37	A C 2A
C7112	A C 1D	C7140	A C 2C	C7225	A C 2C	**COIL**		R7006	B C 2E	R7118	A C 1C	R7224	A C 2A	S7008	B C 1B	TL7203	A C 2A	ZP1-41	A C 1C
C7113	A C 1D	C7201	A C 1A	C7226	A C 1A	L7102	A C 1C	R7007	B C 1B	R7119	A C 1C	R7225	A C 2A	S7009	B C 1C	TL7204	A C 1A	ZP3-10	A C 2C
C7114	A C 1D	C7202	A C 1C	C7227	A C 1A	L7103	A C 2C	R7008	B C 1C	R7120	A C 2C	R7226	A C 1A	S7010	B C 1D	TL7205	A C 1A	ZP3-13	A C 2C
C7115	A C 2D	C7203	A C 1C	C7228	A C 1A	L7104	A C 2C	R7009	B C 1D	R7121	A C 2C	R7227	A C 1B	S7011	B C 1D	TL7206	A C 1A	ZP3-15	A C 1C
C7116	A C 2D	C7204	A C 1C	C7229	A C 1A	L7201	A C 2C	R7010	B C 1D	R7122	A C 2C	R7228	A C 2A	S7012	B C 2D	TM1	A C 4A	ZP3-18	A C 1C
C7117	A C 2D	C7205	A C 2A	C7231	A C 2A	L7202	A C 1A	R7011	B C 2D	R7123	A C 2C	R7230	B C 1B	S7013	B C 2D	TM4	A C 4E		
C7118	A C 2D	C7206	A C 2C	C7232	B C 2A	L7203	A C 2C	R7012	B C 2C	R7124	A C 2C	R7231	A C 1B	S7014	B C 2C	ZP1-5	A C 1B		
C7119	A C 2D	C7207	A C 2C	C7233	A C 1B	L7205	A C 2A	R7013	B C 3E	R7143	A C 2E	R7237	B C 2A	S7015	B C 3E	ZP1-6	A C 1C		
C7120	A C 1D	C7208	A C 2C	C7234	A C 1B			R7101	A C 2D	R7144	A C 2E	R7238	B C 2A	S7016	B C 2B	ZP1-10	A C 2D		
C7121	A C 1D	C7209	A C 2C			**TRANSISTOR**		R7102	A C 2D	R7201	A C 1B	R7239	B C 2A	S7017	B C 1B	ZP1-12	A C 2D		
C7122	A C 2C	C7210	A C 2C	**CONNECTOR**		Q7101	A C 1C	R7103	A C 2D	R7202	A C 1A	R7240	B C 2A	S7018	B C 1A	ZP1-14	A C 2D		
C7123	A C 2D	C7211	A C 2C	CN301	A C 1D	Q7102	A C 1C	R7104	A C 2D	R7203	A C 1A	R7241	B C 2A	TL7001	A C 1D	ZP1-16	A C 2C		
C7124	A C 2C	C7212	A C 2C	CN302	A C 1A	Q7203	A C 2A	R7105	A C 2D	R7204	A C 1A	R7242	B C 2A	TL7101	A C 1D	ZP1-17	A C 1D		
C7125	A C 2D	C7213	A C 2C	CN303	A C 1B	Q7204	A C 2A	R7106	A C 2D	R7214	B C 2A			TL7102	A C 1D	ZP1-19	A C 1D		

■ MON BL CIRCUIT BOARD

• CAUTION:
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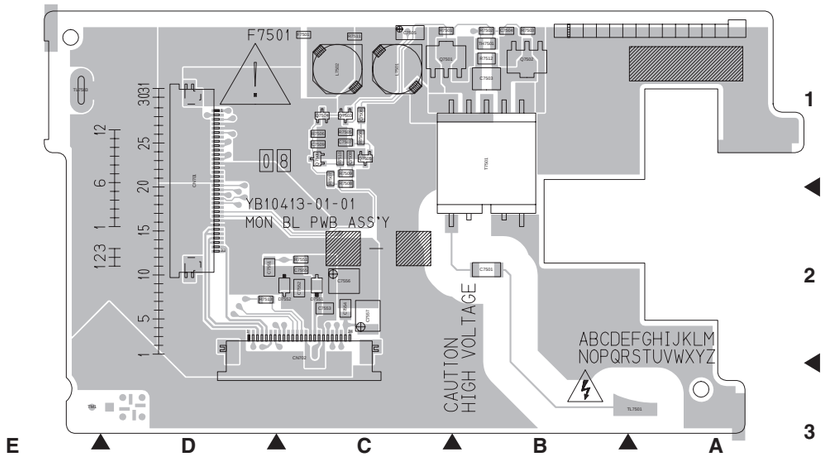
• ATTENTION:
POUR UNE PROTECTION PERMANENTE CONTRE LES RISQUE D'INCENDE, REMPLACER LES FUSIBLES PAR UN AUTRE DE MEME TYPE ET DE MEME TENSION.

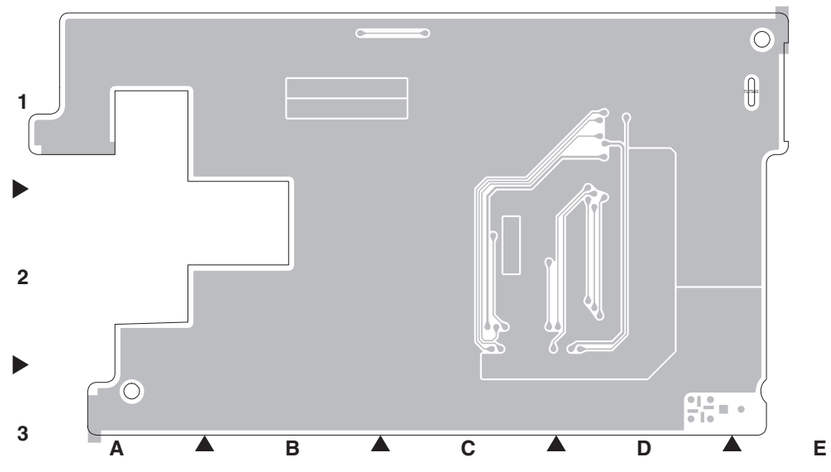
<08> MON BL
YB 10413-01-01

COMPONENT SIDE(A)



<08> MON BL
YB 10413-01-01

FOIL SIDE(B)



COMPONENT PARTS LOCATION GUIDE <MON BL> YB10413-01-01

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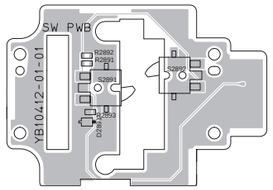
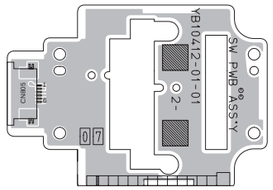
CAPACITOR		D7552	A C 2C	R7509	A C 1C
C7501	A C 2B			R7510	A C 1C
C7503	A C 1B	**COIL**		R7511	A C 1C
C7504	A C 1B	L7501	A C 1C	R7512	A C 1B
C7505	A C 1C	L7502	A C 1C	R7513	A C 2D
C7506	A C 1C			R7551	A C 2C
C7507	A C 1C	**TRANSISTOR**			
C7508	A C 1C	Q7501	A C 1C	**OTHER**	
C7509	A C 1C	Q7502	A C 1B	F7501	A C 1C
C7551	A C 2D	Q7503	A C 1C	PC021	A C 3D
C7552	A C 2C	Q7504	A C 1C	T7501	A C 1B
C7553	A C 2C	Q7505	A C 1C	TH7501	A C 1B
C7554	A C 2C	Q7506	A C 1C	TL7501	A C 3A
C7555	A C 2C			TL7502	A C 2D
C7556	A C 2C	**RESISTOR**		TL7503	A D 1E
C7557	A C 2C	R7501	A C 1C	TM1	A C 3E
		R7502	A C 1B		
CONNECTOR		R7503	A C 1B		
CN701	A C 2D	R7504	A C 1C		
CN702	A C 3C	R7505	A C 1C		
		R7506	A C 1C		
DIODE		R7507	A C 1C		
D7551	A C 2C	R7508	A C 2C		

■ SW CIRCUIT BOARD

COMPONENT SIDE(A)



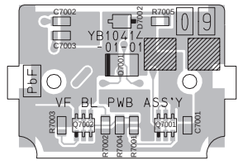
FOIL SIDE(B)



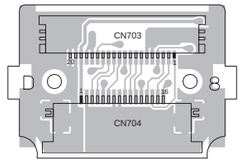
<07> SW
YB 10412-01-01

■ VF BL CIRCUIT BOARD

COMPONENT SIDE(A)



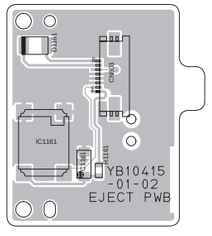
FOIL SIDE(B)



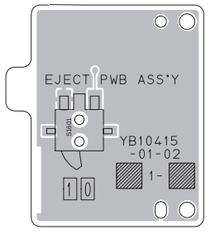
<09> VF BL
YB 10414-01-01

■ EJECT CIRCUIT BOARD

COMPONENT SIDE(A)



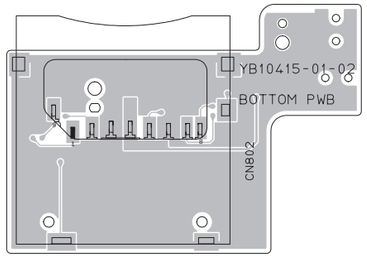
FOIL SIDE(B)



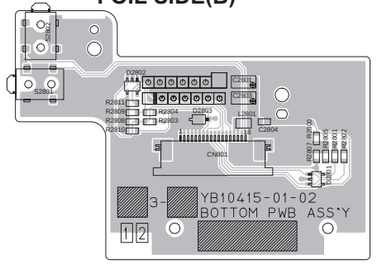
<10> EJECT
YB 10415-01-02

■ BOTTOM CIRCUIT BOARD

COMPONENT SIDE(A)



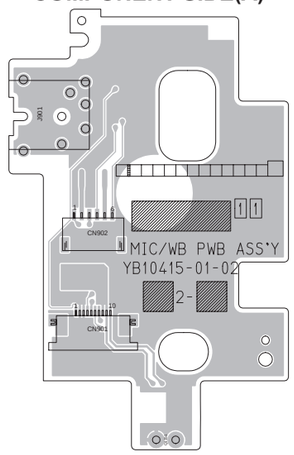
FOIL SIDE(B)



<12> BOTTOM
YB 10415-01-02

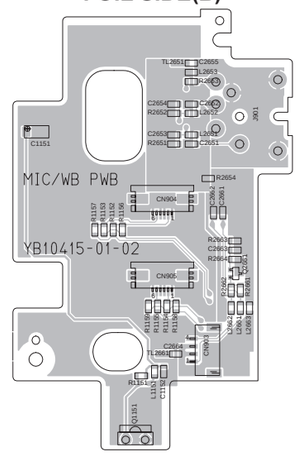
■ MIC/WB CIRCUIT BOARD

COMPONENT SIDE(A)



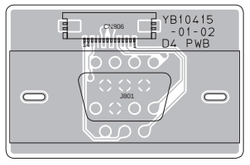
<11> MIC/WB
YB 10415-01-02

FOIL SIDE(B)



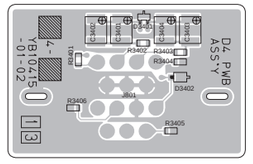
■ D4 CIRCUIT BOARD

COMPONENT SIDE(A)

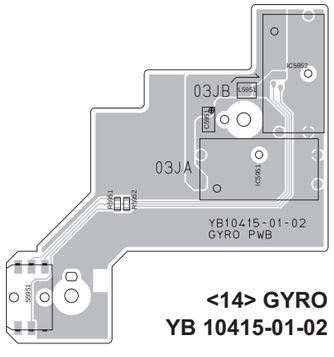


<13> D4
YB 10415-01-02

FOIL SIDE(B)



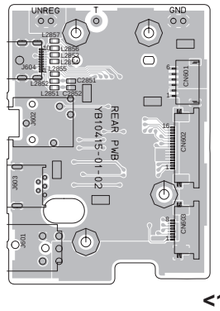
■ GYRO CIRCUIT BOARD



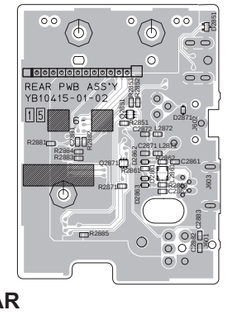
<14> GYRO
YB 10415-01-02

■ REAR CIRCUIT BOARD

COMPONENT SIDE(A)

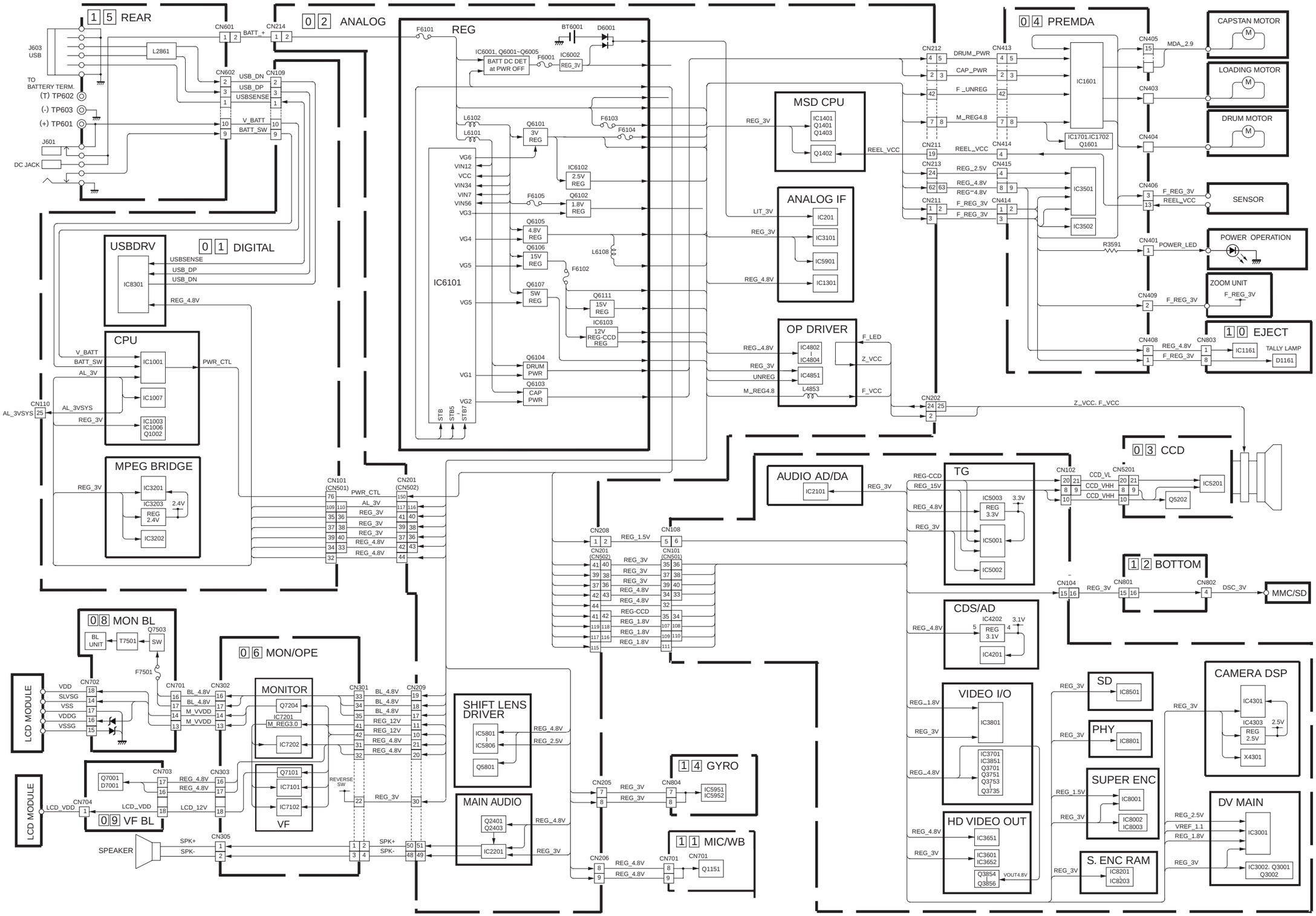


FOIL SIDE(B)

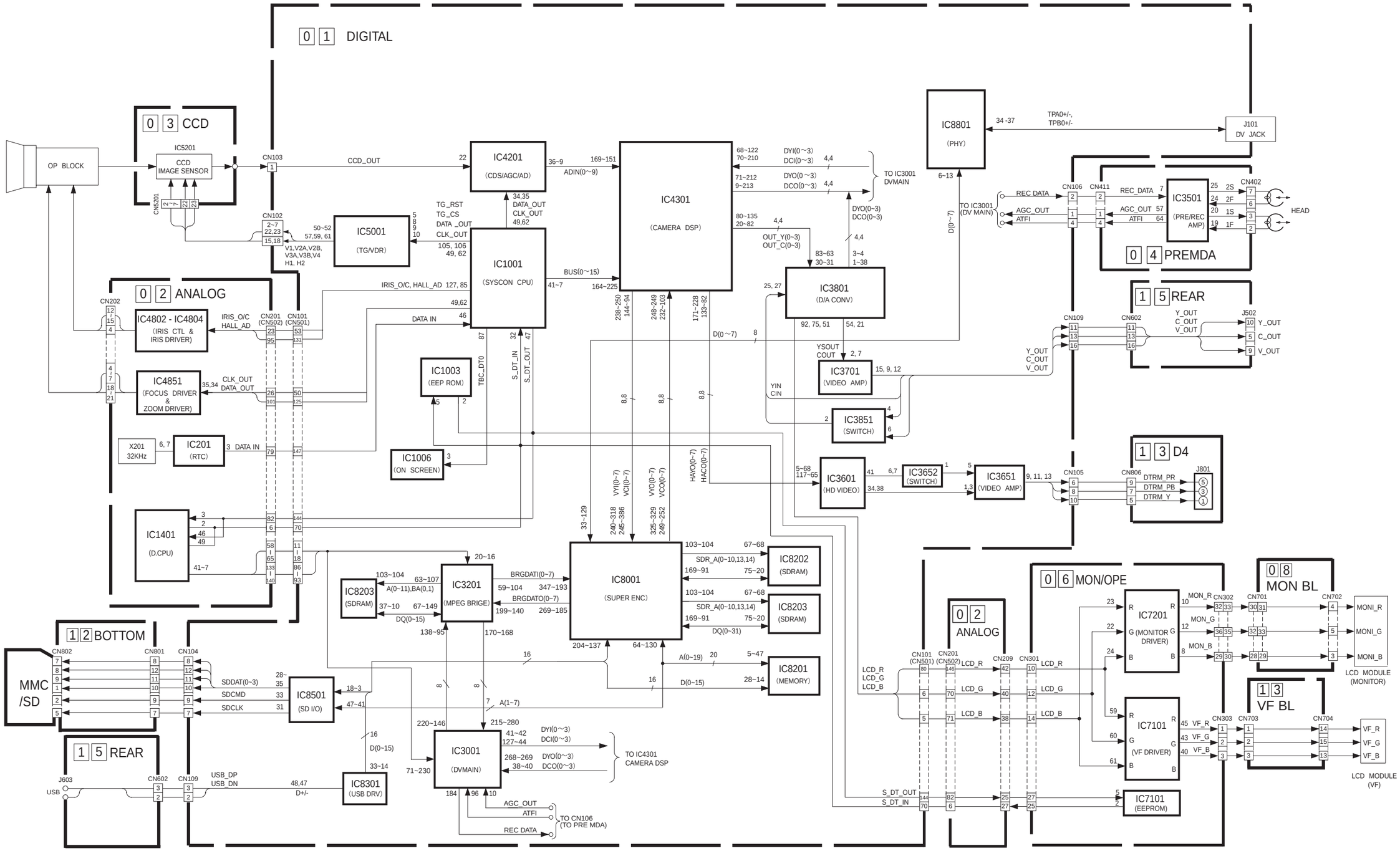


<15> REAR
YB 10415-01-02

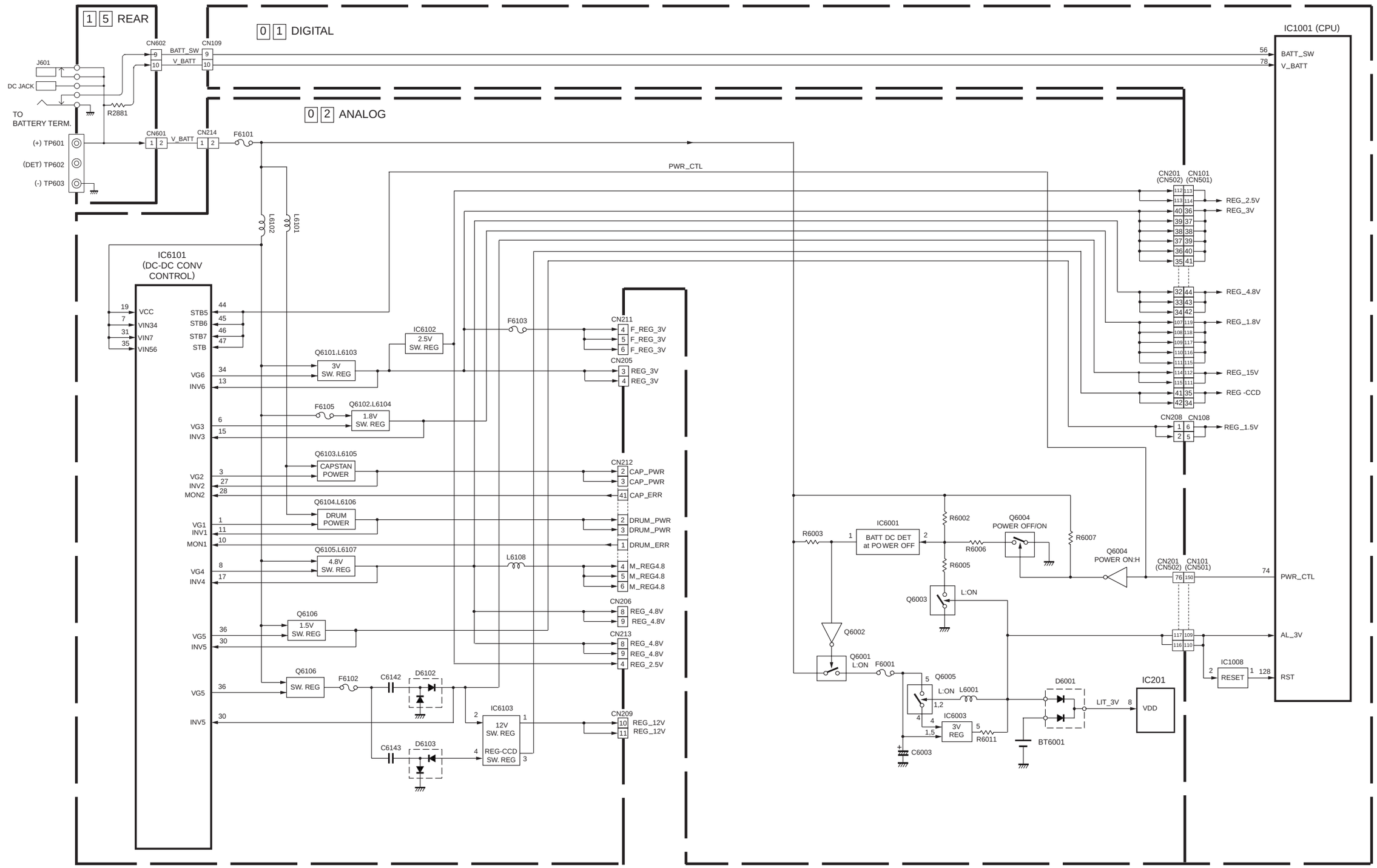
■ POWER SYSTEM BLOCK DIAGRAM



■ VIDEO BLOCK DIAGRAM



■ REG BLOCK DIAGRAM



■ VOLTAGE CHARTS

<CPU>

MODE PIN NO.	REC	PLAY
IC1001	-	-
IC1003		
1	3.0	3.0
2	3.0	3.0
3	3.2	3.2
4	3.2	3.1
5	3.0	3.0
6	0	0
7	0.7	0.5
8	3.2	3.2
IC1006		
1	0	3.0
2	3.0	2.9
3	0.1	0.1
4	0	3.2
5	3.0	3.0
6	3.0	3.0
7	0	0
8	1.5	1.5
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	2.9	2.9
20	2.7	2.8
IC1007		
1	3.2	3.2
2	3.2	3.2
3	0	0
4	3.2	3.2
5	3.2	3.2
IC1008		
1	3.2	3.2
2	3.2	3.2
3	0	0
4	0	0
Q1001		
E	0	0
C	0	0
B	0	0
Q1002		
E	0	0
C	3.0	3.0
B	0	0.5
Q1003		
E	0	0
C	0.9	0.2
B	0	0
Q1004		
E	0	0
C	0.9	0.2
B	0	0
Q1007		
E	0	0
C	0	1.9
B	3.1	0

<AUDIO AD/DA>

MODE PIN NO.	REC	PLAY
IC2101		
1	1.3	0
2	1.3	-
3	1.3	1.1
4	0	0
5	3.0	3.0
6	3.0	3.0
7	0	0
8	1.6	0
9	0	0
10	1.5	1.5
11	1.4	1.5
12	1.5	1.5
13	3.2	0
14	0	0
15	0	0
16	0	0

<CAMERA DSP>

MODE PIN NO.	REC	PLAY
IC4301	-	-

<DV MAIN>

MODE PIN NO.	REC	PLAY
IC3001	-	-
IC3002		
1	0.5	0.6
2	0.6	0.6
3	0	0
4	1.7	1.7
5	0.7	0.3
6	1.4	1.2
7	1.5	1.2
8	3.0	3.0
Q3001		
E	1.8	1.8
C	3.0	3.0
B	2.4	2.4
Q3002		
E	1.2	1.2
C	3.0	3.0
B	1.7	1.7

<BRIDGE>

MODE PIN NO.	REC	PLAY
IC3201	-	-
IC3202	-	-
IC3203		
1	3.0	3.0
2	0	0
3	1.3	1.3
4	2.4	2.4
5	3.0	3.0

<HD VIDEO OUT>

MODE PIN NO.	REC	PLAY
IC3601	-	-
IC3651		
1	1.3	1.4
2	0	0
3	0.2	1.4
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0.5
9	0.4	0.5
10	4.8	5.4
11	0	0.9
12	4.8	5.4
13	0.6	0.9
14	4.8	5.4
IC3652		
1	1.1	1.1
2	0	0
3	0	0
4	0	0
5	0	0
6	1.1	1.1
7	1.1	1.1
8	3.0	3.0
Q3601		
E	0.6	0.6
C	0	0
B	0	0
Q3602		
1(E)	0.6	0.6
2(B)	0	0
3(C)	0	0
4(E)	0.6	0.6
5(B)	0	0
6(C)	0	0
Q3651		
1(E)	1.1	1.1
2(B)	0.5	0.5
3(C)	0	0
4(E)	1.1	1.1
5(B)	0.5	0.5
6(C)	0	0
Q3654		
1(E)	2.7	0
2(B)	3.2	0
3(C)	4.2	0
4(E)	4.8	5.4
5(B)	4.2	4.9
6(C)	4.2	4.9
Q3655		
1(E)	0	0
2(B)	0	0
3(E)	4.8	5.4
4(C)	0	0
5(C)	4.8	5.4
Q3656		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	4.8	5.4
5(B)	4.3	4.9
6(C)	4.3	4.9

<VIDEO I/O>

MODE PIN NO.	REC	PLAY
IC3701		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	0	0
7	1.9	2.0
8	0	0
9	2.3	2.6
10	0	0
11	1.2	1.2
12	1.2	1.1
13	4.8	5.4
14	1.0	1.0
15	0	1.0
16	4.8	5.4
IC3801	-	-
IC3851		
1	3.2	3.2
2	1.1	1.3
3	4.8	5.4
4	1.3	1.5
5	0	0
6	1.4	1.5
Q3701	-	-
Q3801		
1(E)	1.9	1.9
2(B)	1.3	1.3
3(C)	0	0
4(E)	1.3	1.3
5(B)	0	0.8
6(C)	0	0
Q3802		
E	0.8	0.8
C	0	0
B	0.2	0.2
Q3803		
1(E)	0.7	0.8
2(B)	0.1	0.3
3(C)	0	0
4(E)	0.7	0.7
5(B)	0.1	0
6(C)	0	0
Q3851		
E	2.7	0
C	4.8	5.4
B	4.2	0
Q3852		
E	0	0
C	0	0
B	3.2	3.2
Q3853		
1(E)	0	0
2(B)	0.4	0.5
3(C)	0	0
4(E)	4.8	5.4
5(B)	4.8	5.4
6(C)	4.8	5.4
Q3854		
E	0	0
C	4.8	5.4
B	0	0
Q3855		
1(E)	0	0
2(B)	0	-
3(C)	0	0
4(E)	1.5	1.5
5(B)	0.9	1.0
6(C)	4.8	5.4

<CDS>

MODE PIN NO.	REC	PLAY
IC4201		
1	1.0	0
2	1.0	0
3	1.0	0
4	1.0	0
5	0.9	0
6	0	0
7	0	0
8	0	0
9	1.0	0
10	3.0	3.1
11	0	0
12	0	0
13	3.1	3.1
14	0	0
15	0	0
16	0	0
17	0.3	0
18	0	0
19	3.1	3.1
20	2.0	1.8
21	2.4	2.0
22	1.9	0
23	3.0	1.9
24	1.2	1.2
25	3.1	3.1
26	0	0
27	0	0
28	1.4	1.4
29	2.0	1.9
30	0.9	0.9
31	3.0	3.1
32	0	0
33	0	3.2
34	0	1.1
35	3.1	3.2
36	1.0	0
IC4202		
1	5.0	5.5
2	0	0
3	1.3	1.3
4	3.1	3.1
5	5.0	5.5

<USB DRIVER>

MODE PIN NO.	REC	PLAY
IC8301		
1	0.5	0.5
2	0.6	2.7
3	0	0
4	3.2	3.2
5	3.2	3.2
6	0	0
7	0	0
8	3.2	3.2
9	3.2	3.2
10	3.2	3.2
11	3.2	3.2
12	0	0
13	0	0
14	2.4	2.7
15	2.4	2.7
16	2.4	2.7
17	0	2.7
18	2.4	0
19	2.4	2.7
20	0	2.7
21	3.2	0
22	2.4	3.2
23	0	2.7
24	0.8	2.7
25	0.2	1.3
26	0.2	1.3
27	0.3	1.3
28	0.3	1.3
29	0.3	1.3
30	0.3	0
31	0	0
32	3.2	3.2
33	0.3	1.4
34	3.0	3.0
35	3.0	3.0
36	3.0	3.0
37	0	0
38	0	3.0
39	4.7	5.5
40	1.5	1.5
41	1.5	0
42	0	0
43	1.5	0
44	4.7	5.5
45	0	0
46	2.9	3.2
47	0.4	0
48	0.4	0.3
IC8302		
1	0.8	0
2	0.5	0.5
3	0	0
4	0	0

<TG>

MODE PIN NO.	REC	PLAY
IC5001		
1	0	0
2	0	0
3	0	0
4	0	0
5	3.2	3.2
6	3.0	3.0
7	0	0
8	3.1	3.2
9	-	1.1
10	3.1	-
11	3.5	3.5
12	0.3	0
13	0	0
14	0	0
15	1.3	0
16	0	0
17	0	0
18	1.0	0
19	3.4	3.5
20	0.3	0
21	0.3	0
22	3.0	3.0
23	0	0
24	1.0	0
25	0.6	0
26	0	0
27	0	0
28	0	0
29	0	0
30	0	0
31	0	0
32	0	0
33	2.9	3.0
34	0	0
35	1.1	1.1
36	0	0
37	0.8	0.8
38	3.0	3.0
39	0	0
40	0	1.3
41	0	2.7
42	0	2.7
43	0	2.7
44	0	2.9
45	0	2.9
46	1.5	1.5
47	1.5	0
48	1.5	0
49	0	0
50	-6.4	0
51	-6.3	0
52	-0.5	0
53	0	0
54	15.1	15.1
55	0	0
56	0	0
57	-0.5	0
58	0	0
59	-0.4	0
60	-7.1	-7.1
61	-0.4	0
62	-7.1	0
63	0	0
64	-7.1	-7.1
IC5002		
1	1.2	1.2
2	1.5	1.5
3	0	0
4	3.0	3.0
5	0	0
6	1.3	1.3
7	3.0	3.0
8	0.7	0.6
IC5003		
1	4.8	5.4
2	0	0
3	1.3	1.3
4	3.5	3.5
5	4.8	5.4

<MSD CPU>

MODE PIN NO.	REC	PLAY
IC1401	-	-
Q1401		
E	3.1	3.1
C	3.1	3.1
B	3.1	3.1
Q1402		
1	0	0
2	3.1	3.1
3	3.1	3.1
4	2.9	2.8
5	0	0
Q1403		
1	0	0
2	0	0
3	3.1	3.1
4	-0.2	-0.1
5	3.0	3.1

<SUPER ENC>

MODE PIN NO.	REC	PLAY
IC8001	-	-
IC8002		
1	3.0	3.0
2	0	0
3	1.3	1.3
4	0	0
5	3.0	3.0
6	0	0
7	0	1.4
8	0	1.4
9	0.6	0.6
10	1.3	1.4
11	0	0
12	3.0	3.0
13	1.3	1.3
14	0	0
15	1.0	1.0
16	3.0	3.0
IC8003		
1	3.0	3.0
2	3.2	3.2
3	0	0
4	3.0	3.0
5	3.0	3.0

<SUPER ENC RAM>

MODE PIN NO.	REC	PLAY
IC8201	-	-
IC8202	-	-
IC8203	-	-

<SD I/O>

MODE PIN NO.	REC	PLAY
IC8501		
1	3.0	3.0
2	3.0	3.0
3	2.1	2.5
4	2.1	2.5
5	0	2.5
6	2.1	0
7	2.1	2.5
8	2.1	0
9	2.1	2.5
10	0	0
11	0	0
12	0.3	0
13	0.3	1.2
14	0	1.2
15	0	1.2
16	0	1.2
17	0	1.2
18	0	0
19	0	0
20	0	0
21	1.3	1.4
22	3.0	3.0
23	2.9	3.0
24	0	3.0
25	0	0
26	0	3.0
27	0	3.0
28	3.0	3.0
29	3.0	3.0
30	3.0	3.0
31	0	0
32	0	0
33	3.0	3.0
34	0.2	0.2
35	3.0	3.0
36	3.0	3.0
37	0	0
38	0	0
39	0	0
40	3.0	3.0
41	3.0	3.0
42	3.0	3.0
43	3.0	3.0
44	3.0	3.0
45	3.0	3.0
46	3.0	3.0
47	3.0	3.0
48	3.0	3.0

<PHY>

MODE PIN NO.	REC	PLAY
IC8801		
1	0	0
2	0.5	0.2
3	3.0	3.0
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	3.0
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	3.0	3.0
24	2.9	0.1
25	3.0	3.0
26	3.0	3.0
27	0	0
28	0	0
29	0	0
30	3.0	2.8
31	2.8	2.8
32	0	0
33	0	0
34	0	0
35	0	0
36	2.2	1.9
37	2.2	2.2
38	2.2	2.2
39	0	0
40	0	0
41	0	0
42	2.8	2.9
43	1.2	2.8
44	1.2	0.4
45	1.2	0.5
46	1.2	0.4
47	1.2	0.4
48	0	0
49	0	0
50	0	0
51	2.8	2.8
52	2.8	2.8
53	0	0
54	0	0
55	0	0
56	2.8	2.8
57	0	0
58	0	0
59	1.3	1.3
60	1.4	1.5
61	3.0	3.0
62	3.0	3.0
63	0	0
64	0	0

<ANALOG IF>

MODE PIN NO.	REC	PLAY
IC201		
1	0	0
2	3.2	3.2
3	0.8	1.1
4	0	0
5	2.8	3.0
6	0.5	0.6
7	0.5	0.5
8	3.1	3.1
IC1301		
1	2.5	2.8
2	0	0
3	0	0
4	0	0
5	2.5	2.7
6	0	2.7
7	1.6	2.1
8	5.0	5.5
IC3101		
1	0	0
2	0.4	0.4
3	2.4	2.4
4	1.6	1.6
5	1.6	1.5
6	1.5	1.5
7	1.7	1.7
8	1.7	1.7
9	1.4	1.4
10	3.1	3.1
11	3.1	3.1
12	1.0	1.0
13	0.7	0.7
14	1.1	1.1
15	0	0
16	3.1	3.2
17	0.6	0
18	0	1.5
19	1.3	1.3
20	0	0
IC5901		
1	0	0
2	0	1.4
3	0	0
4	0	0
5	1.3	1.3
6	1.3	1.4
7	1.4	1.4
8	3.1	3.1

<MAIN AUDIO>

MODE PIN NO.	REC	PLAY
<MAIN AUDIO>		
IC2201		
1	0	0
2	0	0.1
3	0	1.6
4	3.2	3.2
5	3.1	3.1
6	0	0
7	1.5	1.5
8	1.4	1.4
9	1.5	1.5
10	0.8	1.5
11	3.0	3.1
12	0	3.2
13	1.3	1.3
14	1.4	-
15	3.0	3.5
16	0	0
17	1.5	1.7
18	0.1	0.6
19	1.5	1.7
20	0.1	0.3
21	1.5	1.7
22	2.5	2.8
23	1.5	1.7
24	2.5	2.8
25	0.1	1.7
26	0	0
27	0	5.5
28	5.0	5.5
29	0	0
30	2.5	2.8
31	0	0
32	3.1	3.5
33	1.5	1.7
34	0.3	1.7
35	0.2	1.7
36	1.5	1.7
37	0	1.7
38	1.5	1.7
39	1.5	0.6
40	0	0
41	0	0
42	4.3	5.2
43	2.9	0
44	4.2	5.1
45	1.5	0
46	1.5	0
47	1.5	0.2
48	1.5	1.7
Q2202		
E	0	0
C	0	1.5
B	0	0
Q2401		
E	4.3	5.2
C	5.0	5.5
B	4.9	5.5
Q2403		
E	3.1	3.5
C	5.0	5.5
B	3.8	4.2

<OP DRIVER>

MODE PIN NO.	REC	PLAY
IC4802		
1	0	2.7
2	2.1	2.4
3	2.1	2.4
4	0	0
5	0	2.4
6	2.1	2.4
7	0	2.4
8	4.8	5.5
IC4803		
1	0.9	0.9
2	0.3	0.3
3	0.3	0.3
4	0	0
5	2.1	2.4
6	2.1	0
7	0	0
8	4.8	5.4
IC4804		
1	1.3	0.3
2	1.2	2.8
3	0	0
4	0	0
5	0	3.1
6	1.5	3.1
7	2	0
8	4.8	5.5
IC4851		
1	0	0
2	0.4	0
3	0.3	0.3
4	0	0
5	0.3	0.4
6	0	0
7	0	0
8	3.1	3.1
9	6.4	6.4
10	0.3	0
11	0	0
12	0.3	0
13	6.4	6.5
14	0.3	0.4
15	0	0
16	0.3	0.4
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	6.4	6.5
24	0.4	0.4
25	0	0
26	0.4	0.5
27	6.4	6.5
28	0.4	0.4
29	0.1	0
30	0.3	0.3
31	3.1	3.1
32	0.1	0.1
33	0	0
34	1.1	1.1
35	3.2	3.1
36	1.5	1.5
37	1.5	1.5
38	3.2	3.2
Q4801		
E	0.3	0.3
C	1.9	2.2
B	0.9	0.9
Q4806		
E	1.2	0
C	4.8	5.5
B	1.8	0
Q4851		
E	0	0
C	3.6	4.0
B	0	0

<LENS SHIFT DRIVER>

MODE PIN NO.	REC	PLAY
IC5801		
1	1.5	1.5
2	1.5	1.5
3	1.5	1.5
4	0	0
5	1.5	1.5
6	1.5	1.5
7	2.2	2.7
8	4.8	5.5
IC5802		
1	1.3	1.9
2	1.5	1.5
3	1.5	1.5
4	0	0
5	1.5	1.5
6	0.5	0.3
7	3.6	4.3
8	4.8	5.5
IC5803		
1	1.6	1.3
2	1.5	1.5
3	1.5	1.5
4	0	0
5	1.5	1.5
6	1.5	1.5
7	1.4	1.7
8	4.8	5.4
IC5804		
1	0.7	0.7
2	1.7	1.9
3	1.5	1.5
4	0	0
5	1.5	1.5
6	1.5	1.5
7	2.3	2.3
8	4.8	5.4
IC5805		
1	0	0
2	0.7	0.8
3	0.7	0.8
4	4.8	5.5
5	0	1.5
6	0	1.5
7	0	1.5
8	0.4	2.3
9	1.5	1.7
10	1.5	1.5
11	0	0
12	0.8	0.8
13	0.8	0.8
14	0.7	0.7
IC5806		
1	1.1	1.1
2	0.3	0.3
3	0.3	0.3
4	0	0
5	0	0.3
6	0.4	0.4
7	1.3	1.3
8	4.9	5.4
Q5801		
1	1.2	1.2
2	1.7	1.7
3	4.9	5.5
4	1.0	1
5	1.5	1.5
6	0	5.5

<REGULATOR>

MODE PIN NO.	REC	PLAY
IC6001		
1	6.3	6.5
2	6.2	6.3
3	0	0
4	0	0
IC6002		
1	6.4	6.5
2	0	0
3	1.0	1.0
4	5.2	5.5
5	6.4	6.5
IC6101		
1	0	3.7
2	6.4	6.5
3	5.1	5.2
4	0	0
5	0	0
6	4.2	4.4
7	6.3	6.5
8	6.3	6.5
9	0	0
10	0	0.3
11	0	0.3
12	0.3	0
13	0	1.5
14	0.9	0.8
15	1.5	1.5
16	0.8	0.8
17	1.5	1.7
18	0	0
19	6.1	6.3
20	1.2	1.3
21	0	0
22	1.5	1.5
23	0.7	0.7
24	0.7	0.7
25	0	0
26	0.7	0.7
27	0	0
28	0	0
29	0.9	0.9
30	1.5	1.5
31	6.3	6.5
32	4.5	4.8
33	0	0
34	2.8	0
35	6.3	6.5
36	2.5	2.7
37	0	0
38	1.5	1.5
39	1.0	1.0
40	1.0	1.0
41	0	0
42	2.0	2.0
43	0.5	0.5
44	0	3.2
45	3.1	3.1
46	3.2	3.2
47	3.2	3.2
48	0	0
IC6102		
1	3.1	3.1
2	0	0
3	1.2	1.2
4	2.4	2.5
5	3.0	3.1
IC6103		
1	11.9	11.9
2	15.1	15.1
3	-7.1	-7.1
4	-15.3	-15.4
5	-1..2	-1..2
6	3.1	3.1
7	0	0
8	1.3	1.4
Q6001		
D	6.4	6.5
S	0	0
G	6.4	6.5
Q6002		
D	0	0
S	6.3	6.5
G	0	0
Q6003		
1(S1)	0	0
2(G1)	0	0
3(D2)	0	0
4(S2)	4	4
5(G2)	0	3.2
6(D1)	0	6.3
Q6004		
E	0	0
C	0	0
B	3.1	3.2
Q6005		
1(C)	3.2	3.2
2(Ca)	3.2	3.2
3(A)	0	0
4(B)	6.0	6.2
5(E)	6.3	6.5
Q6101		
D	6.3	6.5
S	2.9	3.1
G	3.2	3.2
Q6102		
1(A)	0	0
2(S)	6.3	6.5
3(G)	4.2	4.4
4(D)	1.9	1.8
5(NC)	1.9	1.8
6(CA)	1.8	1.8
Q6103		
1(A)	0	0
2(S)	6.4	6.5
3(G)	5.1	3.7
4(D)	1.1	2.6
5(NC)	1.1	2.6
6(CA)	1.1	2.6
Q6104		
1(A)	0	0
2(S)	6.4	3.7
3(G)	3.6	2.6
4(D)	2.6	2.6
5(NC)	2.6	2.6
6(CA)	2.6	5.6
Q6105		
1(A)	0	0
2(S)	6.3	6.5
3(G)	6.4	6.5
4(D)	5.0	5.6
5(NC)	5.0	5.6
6(CA)	4.9	5.6
Q6106		
D	6.3	6.5
S	2.5	2.7
G	0	0
Q6107		
D	6.3	6.5
S	4.5	4.7
G	1.6	1.5

<EJECT>

MODE PIN NO.	REC	PLAY
IC1161		
1	5.0	5.4
2	4.1	4.5
3	0	0
4	0	0

<MIC/WB>

MODE PIN NO.	REC	PLAY
Q1151		
E	0	0
C	4.4	5.0
B	-	-

<GYRO>

MODE PIN NO.	REC	PLAY
IC5951		
1	0	0
2	1.3	1.3
3	0	3.1
4	0	1.4
IC5952		
1	0	0
2	1.3	1.3
3	3.1	3.1
4	0	1.4

<REAR>

MODE PIN NO.	REC	PLAY
Q2851		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q2871	0	0
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0

<MDA>

MODE PIN NO.	REC	PLAY
IC1601		
1	0.4	0.5
2	0.5	0.5
3	0	0
4	0.5	0.4
5	1.5	1.6
6	1.5	1.5
7	1.5	1.5
8	1.5	1.5
9	1.5	1.5
10	1.5	1.5
11	2.8	2.8
12	1.2	1.2
13	1.5	1.5
14	1.5	1.5
15	1.5	1.5
16	1.5	1.5
17	1.5	1.6
18	3.1	3.1
19	0.7	0.7
20	0.4	0.4
21	1.3	1.3
22	1.2	1.3
23	6.3	6.6
24	2.7	2.7
25	0.7	0.7
26	1.3	1.3
27	0.7	0.7
28	1.0	1.0
29	1.2	1.2
30	1.2	1.2
31	1.2	1.2
32	0	0
33	1.2	1.2
34	1.5	1.5
35	0	0
36	0	0
37	0	0
38	0	0
39	5.0	5.6
40	1.5	1.5
41	1.5	1.5
42	1.5	1.5
43	1.5	1.5
44	9.4	10.3
45	2.4	2.8
46	7.9	8.4
47	0	0
48	0	3.1
49	3.1	3.1
50	3.0	3.0
51	0	0
52	1.1	1.1
53	0.3	0.3
54	1.5	1.5
55	0.7	0.7
56	1.0	1.0
IC1701		
1	0	0
2	1.4	1.4
3	1.5	1.4
4	0	0
5	1.4	1.4
6	0	1.4
7	-	-
8	5.0	5.6
IC1702		
1	-	-
2	1.4	1.4
3	-	-
4	0	0
5	0	-
6	1.4	1.4
7	-	-
8	5.0	5.6
Q1601		
1	0	0
2	0	0
3	4.9	5.6
4	0	0
5	5.0	5.6

<PRE/REC>

MODE PIN NO.	REC	PLAY
IC3501		
1	0	0
2	0.4	0.4
3	0	0
4	0	1.5
5	2.4	2.5
6	2.3	2.5
7	2.3	0
8	0	0
9	1.3	3.1
10	1.5	0
11	1.4	0
12	0	0
13	4.7	5.5
14	5.0	0
15	0	0
16	0	0
17	0	0
18	3.9	1.7
19	3.7	1.7
20	3.7	1.7
21	3.9	1.7
22	0	0
23	3.9	1.7
24	3.7	1.7
25	3.7	1.7
26	3.9	1.7
27	0	0
28	2.5	1.3
29	3.7	1.8
30	3.7	1.7
31	2.5	1.3
32	0	0
33	0	0
34	0	0
35	1.8	1.8
36	0.5	0.5
37	3.1	3.1
38	0	3.1
39	3.1	3.1
40	1.5	2.2
41	0	0
42	3.1	0
43	4.9	5.5
44	2.9	0
45	0	-
46	0	2.4
47	-	0
48	4.6	3.9
49	4.6	3.6
50	4.3	1.5
51	1.0	1.2
52	1.0	1.7
53	0	0
54	3.3	2.7
55	3.3	1.9
56	1.1	1.1
57	1.0	1.9
58	2.5	1.3
59	2.4	0
60	1.3	1.3
61	3.1	1.9
62	2.5	1.9
63	2.4	1.3
64	2.5	1.9
IC3502		
1	0	0
2	1.3	0
3	0	0
4	0.6	3.1
5	3.1	3.1

<CCD>

MODE PIN NO.	EE
IC5201	
1	0
2	-7.4
3	1.2
4	0
5	0
6	13.5
7	0
8	12.1
9	15.1
10	10.1
11	-6.4
12	-6.4
13	-0.4
14	0
15	-0.5
16	-0.5
Q5201	
E	7.3
C	12.1
B	8.0
Q5202	
E	11.4
C	15.1
B	12.1

<MON BL>

MODE PIN NO.	EE
Q7501	
E	0.2
C	4.3
B	0.5
Q7502	
E	0.2
C	4.3
B	0.5
Q7503	
E	4.5
C	4.4
B	0.2
Q7504	
E	0.2
C	0.2
B	0.8

<VF BL>

MODE PIN NO.	EE
Q7001	
1(E)	0
2(B)	3.0
3(C)	5.2
4(E)	5.3
5(B)	0
6(C)	0
Q7002	
1(E)	0.6
2(B)	1.3
3(C)	1.3
4(E)	0.6
5(B)	1.2
6(C)	2.2

<VF>

MODE PIN NO.	EE
IC7101	
1	0
2	0
3	0
4	3.0
5	1.5
6	0
7	0
8	3.0
9	3.1
10	0.6
11	3.2
12	0
13	3.0
14	3.0
15	0
16	0
17	0
18	0.3
19	0.1
20	1.5
21	1.5
22	0
23	3.0
24	0
25	0
26	2.2
27	1.5
28	0
29	3.0
30	3.0
31	0
32	0
33	0
34	0
35	5.8
36	0
37	0
38	0
39	0
40	5.9
41	3.4
42	0
43	5.9
44	1.4
45	6.0
46	1.4
47	11.9
48	0
49	3.0
50	0
51	0
52	3.0
53	0
54	1.9
55	0
56	0
57	0
58	2.9
59	1.3
60	1.5
61	1.3
62	3.0
63	0
64	0
IC7102	
1	3.1
2	0.7
3	3.0
4	0
5	0
6	3.1
7	3.0
8	3.0
Q7101	
E	11.9
C	11.9
B	11.2
Q7102	
E	0
C	0
B	3.0

<MONITOR>

MODE PIN NO.	EE
IC7201	
1	0
2	1.5
3	0
4	0
5	0
6	5.7
7	3.1
8	0
9	0
10	6.1
11	0
12	6.0
13	11.9
14	6.0
15	3.1
16	5.9
17	0
18	0
19	0
20	0
21	3.0
22	2.0
23	1.7
24	0
25	2.8
26	0
27	1.5
28	0
29	1.7
30	0
31	3.2
32	3.2
33	0
34	3.0
35	2.9
36	3.0
37	3.0
38	2.7
39	2.8
40	2.9
41	0
42	1.4
43	1.5
44	0
45	3.0
46	0.4
47	3.0
48	0
IC7202	
1	4.7
2	0
3	0
4	3.0
5	4.7
Q7203	
E	0
C	0
B	3.0
Q7204	
E	11.9
C	11.9
B	11.2